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June 23, 1941

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For information concerning the use of Dichlorethyl Ether, address:

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PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

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Oil, Paint and Drug Reporter

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Volume 139 | **June 23, 1941** | **Number 25**

Drug-Cosmetic Wage Minimum Set at 40 Cents

OPD Washington Bureau
June 20, 1941

A minimum wage rate of 40 cents an hour for the drug, medicine, and toilet preparations industry, effective July 7, is established by an order issued today by General Philip B. Fleming, Administrator of the Wage and Hour Division of the Department of Labor. The minimum was recommended by a committee representative of the public and employees and employers of the industry.

It is estimated that 9,000 workers of the approximate 44,000 employed in the industry will benefit by the wage increase.

Soap Exempted

The drug, medicine, and toilet preparations industry is defined in the wage order as follows:—

The manufacture or packaging of any one or more of the following products:—
(1) Drugs or medicinal preparations (other than food) intended for internal or external use in the diagnosis, treatment, or prevention of disease in, or to affect the structure or any function of, the body of man or other animals, or
(2) Dentifrices, cosmetics, perfume, or other preparations designed or intended for external application to the person for the purpose of cleansing, improving the appearance of, or refreshing the person,
(3) Provided that this definition shall not include the manufacture or packaging of shaving cream, shampoo, essential (volatile) oils, glycerin and soap, or the milling or packaging without further processing of crude botanical drugs.

The definition covers all occupations in the industry which are necessary to the production of the articles specified in the definition, including clerical, maintenance, shipping, and selling occupations. It does not include (a) in establishments, the greater part of whose sales are sales of articles purchased for resale, employees other than those who are engaged directly in the manufacturing or the packaging in consumer packages of products covered by this definition, and (b) employees of a manufacturer who are engaged exclusively in marketing and distributing products of the industry which have been pur-

—Continued on page 50

Paint Colors, Sizes Number to Be Cut

OPD Washington Bureau
June 19, 1941

A number of important recommendations for changes in the number of colors and sizes of containers for all products of the paint industry will be made shortly by the simplification committee of the National Paint, Varnish and Lacquer Association. This action is to be taken under the desire of the association to cooperate with the government in the exigencies of national defense.

It is suggested to manufacturers by the committee that wherever possible they defer action on advertising material, color cards, catalogs, and the like until the recommendations have been received and considered.

Lead Pigment Exports Licensed to British

OPD Washington Bureau
June 19, 1941

Unlimited licenses have been issued by the Secretary of State to the British Purchasing Commission and the British Iron & Steel Corporation, authorizing the exportation of lead pigments to certain British areas, and of abrasives and abrasive products to a longer list of British areas and to Egypt.

While this makes it unnecessary for exporters to make application to the Department of State for individual licenses, the Department of Commerce explains, shipper's export declarations covering such shipments will not be accepted without the appropriate symbol and license number, which are obtainable from the British Purchasing Commission, Adams building, 1333 F street, N. W., Washington.

—Continued on page 41

Flavoring Extract Makers Ask Alcohol Tax Differential

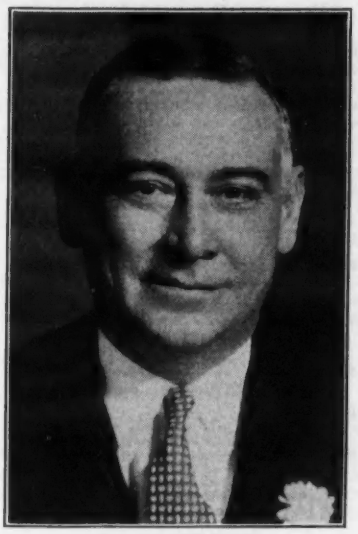
Atlantic City, June 19, 1941

A resolution petitioning Congress for a separate classification and different tax rate for nonbeverage alcohol in deference to the food and medicinal industries was adopted by the Flavoring Extract Manufacturers Association, in convention here at the Hotel Traymore this week. The meeting also voted to set up an advisory group, as well as re-electing officers. Officers reelected were:—

President, John H. Beach, of Seeley & Co., New York; first vice-president, George M. Chapman, Liquid Carbonic Company, Chicago; second vice-president, W. B. Durling, William J. Stange Company, Chicago; third vice-president, Garret Meyer, Warner-Jenkinson Manufacturing Company, St. Louis; secretary, E. L. Brendlinger, of the Dill Company, Norristown, Pa., and treasurer, L. P. Symmes, Baker Extract Company, Springfield, Mass.

Named to the advisory group were: —Clarke E. Davis, of the Virginia Dare Company; George Armor, of McCormick & Co., Baltimore; George H. Burnett, of the George Burnett Company, and G. F. Meyer. Members of the advisory group are also members of the executive committee.

Mr. Beech, in his address as president, reviewed the activities of the



John H. Beach

year and told particularly the effort made by the association to get a tax differential on alcohol.

Alcohol Tax Report

George H. Burnett, in his report as chairman of the alcohol tax reduction committee, said:—

The Treasury Department has gone on record as not favoring the establishment of a differential. They base their opposition on the high cost of enforcing this differential, which they claim would be

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Synthetic Chemicals Sales Up 26 Percent

The total sales of synthetic organic chemicals by producers in the United States in 1940 were valued at $484,000,000, an increase of 26 percent over the 1939 sales, which were higher than in any previous year, according to the United States Tariff Commission. Sales of synthetic coaltar chemicals increased from $185,000,000 in 1939 to $218,000,000 in 1940, or 18 percent, and noncoaltar chemicals from $200,000,000 to $266,000,000, or 33 percent.

Coaltar crudes increased in output 32 percent in 1940 over 1939, coaltar and non-coaltar resins output rose 23 percent, and non-coaltar flavors and perfume materials advanced about 27 percent. The production of 806,000,000 pounds of coaltar intermediates in 1940 was 33 percent greater than in 1939. Production of coaltar dyes in 1940 was 128,000,000 pounds, or about 8,000,000 pounds over that of 1939.

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Chemical Imports At N.Y. Analyzed

The Tariff Commission has made a statistical analysis of certain general provision or "basket clause" classifications of chemicals, dutiable under paragraph 5 of the tariff act of 1930, which were entered through the New York customs district in 1940. The purpose of this analysis is to segregate the most important miscellaneous chemicals and medicinals entered under this paragraph.

Paragraph 5 of the tariff act of 1930 provides for a rate of duty of 25 percent ad valorem on all chemical elements, salts, compounds, and medicinal preparations, not specially provided for in other paragraphs. Imports under this paragraph are divided into forty-two classifications, the majority consisting of specifically named or closely related commodities. This analysis, however, deals only with the general provision or "basket clause" classifications listed below:—

Fatty alcohols and fatty acids sulphated, not elsewhere specified, and salts of fatty acids sulphated, not elsewhere specified; all alkaloids, salts and derivatives, not elsewhere specified; medicinal preparations of vegetable origin (chrysarobin, papain, digitalin, and other active principles [except alkaloids]); medicinal preparations of animal origin (oxgall, bile compounds, gland extracts, etc.); medicinal and pharmaceutical preparations, not specially provided for, not containing alcohol; salts and compounds of gluconic acid and combinations and mixtures of any of the foregoing; digi-

—Continued on page 61

Joseph Rosin Re-elected To U.S.P. Committee

Joseph Rosin, vice-president and chief chemist of Merck & Co., Rahway, N. J., has been elected a member of the U.S.P. revision committee to fill the vacancy caused by the death of Prof. C. B. Jordan. Mr. Rosin was a member of the 1930 committee, but was not re-elected at the 1940 U.S.P. convention; he, however, continued his interest and volunteer services in the work of revision.

The returning of Mr. Rosin to membership on the U.S.P. committee, says Adley B. Nichols, secretary to the board of trustees, is in recognition of the invaluable contributions he has made for many years toward the standardization of medicinal chemicals. This service was extended to all official chemical products in both the United States Pharmacopeia and the National Formula during the past decade, and in the pharmacopeial field began with the 1910-30 period when he was the personal assistant to Dr. George D. Rosengarten, then chairman of the subcommittee on organic chemicals. During the 1930-40 revision period Mr. Rosin, as a member of the revision committee, continued to give his wide practical knowledge to every chemical problem of the revision, including the standardization of reagents.

Facing the Facts on Vanilla

By Ray Schlotterer

Secretary, Vanilla Bean Association

Address delivered June 16, 1941, in Atlantic City at meeting of Flavoring Extract Manufacturers Association.

Vanilla is but one of many basic raw materials in the food and drug field of which supplies are being drastically curtailed as a result of the European conflict. Numerous essential oils, botanical drugs, and spices, normally imported from Europe, Asia, and Africa, have been completely cut off at their source by the blockade, or are obtainable only in insufficient quantities.

Whereas, American stocks of natural aromatics and absolute flower oils have shrunk to alarming low levels, the demand for these products has increased in the wake of our national defense effort, the spurt in general business activity, the added buying power, and, above all, the building of unnatural inventories on the part of consumers. This discrepancy between dwindling supply and growing demand has caused a sudden leap in prices and given impetus to the inevitable inflationary trend.

It is well to remember that the problems confronting the vanilla bean industry at this time are typical in all related fields. The upheaval is a general one affecting all importers, buyers, and consumers. While it lasts, "Business as usual" is out of the question, and we must adjust and adapt ourselves to the changing conditions.

The vanilla bean market hinges so closely on the state of war at any given moment that it is virtually impossible to forecast what may happen. However, if we take it for granted that Britain will continue to control the seas, and if she continues the blockade of Madagascar and the neighboring islands vanilla must continue on a famine basis. Whatever may occur we will not for a long time have what is called a low market. First, on account of the export taxes which have been increased considerably to support the islands, this be-

—Continued on page 54

Closing Markets

Soda Antimoniate Higher

Prices for soda antimoniate advanced 1c., making car lots 15c. and less car lots 15½c. per pound.

Cottonseed Oil Firmer

Refined cottonseed futures were stronger on Friday. Local and outside traders bought on the firmnes of crude oil and other commodities. Cotton crop news was unfavorable. July crossed 12 cents. Soybean, cocoanut, corn, peanut and repeseed oil were firm.

Superphosphate Advanced

Superphosphate will be advanced $1 per ton on July 1, it was reported late Friday. Run-of-pile material will be quoted at $9 and 16 percent grade at $9.50.

Tetrachloride of Tin Firmer

Anhydrous tetrachloride of tin advanced ¼c. at 28½c. per pound. Other tin derivatives remain unchanged.

Tanning Extracts Higher

A leading seller announced higher prices for the third quarter contracts on chestnut wood, oakbark and hemlock extracts late last week. Prices for chestnut wood will be advanced to the basis of 1.90c. per pound in tanks and 2.40c. for car lots in barrels. Prices for hemlock and oakbark ¼c. higher, making tanks 3c. and car lots, barrels, 3½c. per pound.

Bids Wanted

Acid, Mixed:—7,000,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 2529, opening July 1.

Calcium Phosphate:—3,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7391, opening July 1.

Chlorine:—180,000 pounds; U. S. Engineer Office, Washington; serial 216, opening June 27.

Fuel Oil:—160,000 gallons; U. S. Engineer Office, Custom House, Philadelphia; invitation 495, opening June 25.

Glycerin:—1,400 gallons; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7390, opening July 1.

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Defense Materials Price-Trend Index

During the week ended June 14 the Bureau of Labor Statistics' index of market prices of strategic materials rose to 139.2 percent of the August, 1939, level. The increase, which brings the index close to the high of 139.4 reached May 24, was primarily due to the continued advance of raw silk prices and a $4 per flask rise in the price of quicksilver. Tin and rubber registered slight increases over the previous week's quotations, contributing to the group advance.

In the group of materials designated as critical by the Army and Navy Munitions Board a sharp increase in cork quotations and an advance in the price of phenol caused the bureau's index to rise to 115.0 percent of the prewar level. This is a new high since the outbreak of the war in Europe.

Index numbers of market prices of strategic and critical materials are:—

(August 1939=100)

1941.	Strategic.	Critical.
June 7	138.4	113.8
June 14	139.2	115.0

Chicory Concerns Hit By F.T.C. Price Order

OPD Washington Bureau
June 19, 1941

The two principal processors of granulated chicory have been ordered by the Federal Trade Commission to cease and desist from price discriminations in violation of the Robinson-Patman act, and from selling below cost, disparagement of competitors' products and other practices in violation of the Federal trade commission act. The respondent chicory companies are E. B. Muller & Co., Port Huron, Mich., and Heinr. Franck Sons, Inc., Flushing, N. Y., both controlled and directed, according to commission findings, by David McMorran.

Commission findings are that the businesses of the two respondent companies are largely complementary, one to the other, and that they refrain from competing with each other. Their principal competitor has been R. E. Schanzer, Inc., operating in New Orleans, the principal consuming market for chicory, and maintaining a

—Continued on page 52

Chemical Prices Raised Further

The effects of extraordinary demands for chemicals are steadily becoming more impressive upon prices of these materials. The result last week was a further elevation of the price average in the markets for heavy and fine chemicals. Some basic influences were coming into evidence in advances affecting acetic and sulphuric items. Import difficulties also became more influential.

The volume of inquiries for chemicals also was increased last week. Shipments were pushed farther behind demands. Allocations became more common and contractual quantities were tight maximums in most dealings. Spot market supplies were always shortlasting.

Prices were advanced on acetic acid, iron-free aluminum sulphate, glauber's salt, anhydrous sulphate of soda, zinc sulphate, common salt, group B natural methanol and methylacetone, Chinese nutgalls, quebracho extracts and several other vegetable tanstuffs, sago flour, domestic egg albumen, shellacs, gum rosin, gum and steam-distilled wood turpentines tankage, cottonseed meal in the Southeast, and dried blood at Chicago.

Prices were reduced on domestic urea, ephedrine and its salts, and Japanese camphor tablets.

The REPORTER'S composite index number of prices for heavy and fine chemicals rose to another new high of 133.2 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 94.3, compared with 91.6 at this time last year and 88.9 in 1939.

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Tax Plan for Profits Takes Shape in House

OPD Washington Bureau
June 18, 1941

The house ways and means committee has agreed in principle on the excess profits tax proposal submitted this week by the staff of the Joint Congressional Committee on Internal Revenue Taxation, but will take no definite action on the plan until after the Treasury Department reports the results of a survey now being made for the committee to determine the effect of the new proposal upon the large corporations now engaged in manufacturing war materials for the defense program and for the British.

Briefly, the joint committee recommended adoption of a system of graduated exemptions from excess profits taxation which would be based on the amount of invested capital, and would reduce the present exemption of 8 percent on invested capital to 7 percent on the proportion of income less than $4,000,000 or possibly $5,000,000. The proposal also would revise the present provisions of law permitting the deduction of normal taxes before computing excess profits taxes. This

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Hair Dye Dealers Enter F.T.C. Ad Stipulation

OPD Washington Bureau
June 20, 1941

Nineteen dealers selling coaltar hair dye products have entered into stipulations with the Federal Trade Commission to cease disseminating advertising matter which does not contain proper cautionary statements regarding use of their products. The products involved in the stipulations are:—

'Bes-Tone'
'Bes-Tonol Oil Shampoo Tint'
'Brandt's Olive Oil Shampoo'
'Eternol Tint Oil Shampoo'
'Instant Clairol'
'Noreen Super Color Rinse'
'Nu-Gloss Tintrinse'
'Paragon Hair Coloring'
'Rap-I-Dol Hair Coloring'
'Special Clairol'
'Tintz Creme Shampoo Hair Coloring'

The respondents agree to cease disseminating advertisements which fail conspicuously to reveal therein the following:—

Caution:—This product contains ingredients which may cause skin irritation on certain individuals and a preliminary test according to accompanying directions should first be made. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

The stipulations provide that such advertisements need contain only the statement:—"Caution:—Use only as directed on label." if and when such

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Petroleum Exports Further Curtailed

President Roosevelt announced today that, to meet a threatened shortage of petroleum products in the eastern United States, he had directed the administrator of export control to place all petroleum products under control and to permit exports from the eastern seaboard only to the Brtiish Empire, Egypt and the Western Hemisphere, since supplies to these destinations are dependent in part on shipments from eastern ports.

Meanwhile, the President explained, a plan will be prepared for the most effective use of tanker facilities available to supply petroleum to the eastern seaboard and the other American republics. Further restriction of shipments of petroleum from the gulf or Pacific ports is not contemplated at the present time, the President said.

N.Y. Trade Ass'n Heads To Hear Murray Shields

Trade Association Executives in New York City will hold a meeting in the Hotel Commodore, June 24, at 12:30 p.m. The speaker will be Murray Shields, economist for the Irving Trust Company, this city. His subject will be "The Economic Impact of the Defense Program on Business and What It Means for the Future."

Methanol Shortage Jeopardizes Plastics

OPD Washington Bureau
June 18, 1941

Shortages of several chemicals, particularly those needed in making certain types of plastics, are currently giving concern to officials of the Office of Production Management, and rationing and priority controls may be imposed in the near future.

The most serious shortage in this field is formaldehyde, an important plastics base. Since plastics are finding so many uses in defense articles it probably will be necessary for OPM to request or order that no formaldehyde plastics be used for nonessential articles.

An ingredient of formaldehyde is methanol, which is exceedingly tight, because of increased demands in all its uses. Production of methanol fell off slightly during the first few months of this year, but is now increasing, and some new productive capacity will be in operation shortly. Plants which produce methanol synthetically can also produce ammonia with a slight change-over and they will produce either as directed by OPM, though ammonia is currently in great demand for the nitrogen constituent of smokeless powder and TNT.

A plan is being discussed to take over the stocks of antifreeze methanol accumulating for next Winter's

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I.G. Trust Case To Be Aired June 23

I.G. Farbenindustrie (German "Dye trust") responded June 16 to the Federal indictment filed January 30 charging monopolistic activities, chiefly in relation to production and distribution of magnesium.

The German concern had refused to recognize the indictment. May 9 Attorney-General Jackson got a court order tying up I.G. funds, said to have been $158,696, in a bank in this city and apparently blocking payment of $250,000 in royalties by American patent licensees. A second court order tied up an additional $23,894. I.G. funds were included in the order of President Roosevelt June 14 freezing all German assets in this country.

The local law firm representing I.G., Alexander & Green, in a petition to the court June 16 asked that the amount tied up by the two orders obtained by the attorney-general be limited to $25,000, said to be the maximum that I.G. could be fined on all counts in the trust indictment.

At the request of the prosecutor, Judge Edward A. Conger postponed hearing on the I.G. request until June 23. This may bear upon the trust case, but the presidential freezing order on all funds nullifies any attempt to have the amount reduced.

Aluminum Co. Head Denies Ickes' Charges

OPD Washington Bureau
June 18, 1941

Flatly denying charges by Secretary of the Interior Harold L. Ickes that the Aluminum Company of America has blocked expansion of the aluminum facilities of the United States, I. W. Wilson, president of the company, told the senate defense investigating committee this week that his company has made every effort to expand production and that the company could not be held responsible for errors made by governmental agencies in estimating aluminum needs for the defense program.

Mr. Wilson said that his company has already spent about $200,000,000 of its own funds in expanding production and has offered to continue to use its own resources in financing any expansion program adopted by the government, or will operate any government-built plant under a management arrangement. The company has repeatedly offered to put all of its technical resources at the government's command, to build and design plants for government operation and to furnish the technical staff to make this possible, if the government so desires, he said.

—Continued on page 30

N.Y. Purchasing Agents Re-elect Most Officers

Few changes were made in its official family by the Purchasing Agents Association of New York in the annual election June 17. Also there was no contest in the election, and the

Thomas I. Savage

following were elected by secretarial ballot:—

President, Thomas I. Savage, of the Murphy Varnish Company (re-elected).

First vice-president, Walter E. Cummin, of White Laboratories, Inc. (re-elected).

Second vice-president, Andrew R. Peet,

—Continued on page 25

Argentine Tariff Pact Hearing Opens June 23

OPD Washington Bureau
June 16, 1941

Hearings on the proposed tariff bargains with Argentina and Uruguay will begin at 10:00 a.m. June 23 in the hearing room of the United States Tariff Commission, Eighth and F streets, N. W., Washington.

Among those scheduled to appear with reference to the numerous articles involved in the negotiations are the following:—

Calcium sulphate, E. Waterman & Co., New York.

Casein, National Cooperative Milk Producers Federation, Washington; Martin Cantine Company, Saugerties, N. Y.; Rex Paper Company, Kalamazoo, Mich.; Champion Paper & Fibre Company.

Dextrin, Le Page's, Inc., Gloucester, Mass.

Flaxseed, Representative C. R. Robertson, North Dakota; Edward J. Thye, Minnesota Deputy Agricultural Commissioner; Flax Institute of the United States, Minneapolis; Ecusta Paper Corporation, Central Fibre Corporation, California Central Fibre Corporation; Sam Hamburg, Los Banos, Cal.

Lead arsenate, E. Waterman & Co., New York.

Medicinals, Frederick Stearns & Co., Detroit.

Tungsten, Senator Berkeley L. Bunker, Nevada; American Tungsten Association, San Francisco; Los Angeles Chamber of Commerce; United States Vanadium Corporation, San Francisco.

Flag Use Proscribed In Liquor Advertising

OPD Washington Bureau
June 17, 1941

Anticipating the endeavor in Congress to prohibit the use of the United States flag in advertising, the Treasury Department has issued a proscription against the use of the flag on labels of liquors or in their advertising.

This proscription is a part of the T.D. 5051 which amends the FAA act to prevent misleading in the labeling or advertising of products subject to that statute. With reference to label or advertising the regulation proscribes:—

. . . any statement, design, device, or pictorial representation of or relating to, or capable of being construed as relating to, the armed forces of the United States, or of the American flag, or of any emblem, seal, insignia, or decoration associated with such flag or armed forces; . . . any statement, device, design, or

—Continued on page 41

Oil Tanker Switch To Aid East's Supply

OPD Washington Bureau
June 20, 1941

A rearrangement of a ship tanker service to increase the Atlantic Coast supply by 210,000,000 gallons annually was today announced by Harold L. Ickes, petroleum coordinator for national defense, at a conference last week with the entire industry.

The rearrangement, Mr. Ickes said, resulted from a conference with the Sun Oil Company and the Standard Oil Company of California. At the conference Mr. Ickes suggested that tankers now engaged in trade between California and East coast ports will be switched to runs between Gulf and East coast ports, increasing the prospective supply to the Atlantic Seaboard by approximately 210,000,000 gallons annually.

The coordinator, in announcing the prospective increase in East coast supply, said:—

The diversion of these tankers to the "Gulf to East coast" routes involves a sacrifice by the two companies concerned, and will also cause them considerable inconvenience and financial loss. However, they have agreed to the arrangement as a temporary measure in the interest of national defense.

Oil Advisory Committees

Mr. Ickes also announced that industry advisory committees will be set up to aid the coordinator in solving the various problems which arise. These committees will consist of members of the oil industry and will be nominated by the industry. The country will be divided into five sections and four committees set up in each section. These four committees will be in charge of matters relating to the four branches, producing, refining, transportation, and marketing, respectively. The various committees, he said, will be established as soon as possible.

Antitrust Action Killed

Assurances of full cooperation with the petroleum industry and the defense petroleum coordinator and that no legal action will be taken under the antitrust laws by the Department of Justice where oil companies follow

—Continued on page 56

Wickersham Manager Of White Tar Company

Pittsburgh, June 12, 1941

R. C. Wickersham, assistant sales manager for tar and chemical division of the Koppers Company, has been appointed general manager of the White Tar Company of New Jersey, Inc., a Kopper subsidiary. The White Tar Company plans to broaden its activities in the production of chemicals from coal and will increase its facilities for the merchandising of Koppers chemical products in the small-package consumer field.

R. C. Wickersham

At present White Tar produces refined naphthalene principally for the chemical, dye and agricultural industries and for domestic use in the destruction of clothes moths. The company produces disinfectants and in-

—Continued on page 35

Explosives Licensing Bill Is Passed by House

OPD Washington Bureau
June 16, 1941

Manufacture, distribution, storage, use, and possession of explosives would be placed under a strict licensing system under terms of a bill (H.R. 3019) passed by the house today and sent to the senate for concurrent action. The measure, which was introduced by Rep. Joe L. Smith of West Virginia, would provide for the licensing system to go into effect either upon the declaration of war or that a state of war exists by Congress, or upon the issuance by the President of a proclamation declaring that there exists a state of war or a national emergency requiring the application of the provisions of the act to provide for the national defense and security and shall remain in effect until the termination of such war or the revocation of the proclamation. As defined by the bill, explosives include:—

Gunpowders, powders used for blasting, all forms of high explosives, blasting materials, fuzes (other than electric circuit breakers), detonators, and other detonating agents, smokeless powders, and any chemical compounds or mechanical mixture that contains any oxidizing and combustible units, or other ingredients, in such proportions, quantities, or packing that ignition by fire, by friction, by concussion, by percussion, or by

—Continued on page 29

Priorities Advisers Located in Four Cities

OPD Washington Bureau
June 16, 1941

The Priorities Division of the Office of Production Management is opening, this week, four district offices for field services to industries. These offices will be located in Boston, Chicago, New York, and Philadelphia. Their purpose is to provide prompt and adequate advice and information to manufacturers with reference to preference ratings and other problems under the priorities system.

The managers and locations of the four district offices are as follows:—

Boston—William P. Homans, 30 Pearly street.

Chicago—Warren G. Bailey, 230 South LaSalle street.

New York—Philip M. McCullough, 33 Liberty street.

Philadelphia—Frederick W. Slack, 925 Chestnut street.

Imports for Defense Bill Asks Duty-Free Entrance

OPD Washington Bureau
June 17, 1941

Collection of import taxes, internal revenue taxes, or any other charge of like character on the importation or withdrawal of any article certified by a department or agency of the United States government to be a defense article and entered for consumption, or withdrawn from warehouse for consumption, would be prohibited under the provisions of a bill introduced in the house by representative Robert L. Doughton of North Carolina, chairman of the house ways and means committee.

Under the terms of the measure, the Secretary of the Treasury would be authorized to promulgate rules and regulations to carry out the proposal, and to waive or suspend with respect to importations or withdrawals any restriction imposed by law or regulation with respect to like articles not subject to the provisions of the bill. All of the various corporations formed by the various agencies of the Federal government are included under the bill in agencies authorized to certify any material as a "defense article."

MALLINCKRODT—SODIUM SULFITE

(and other SULFITES)

High SO_2 Content for Greater Efficiency

The SO_2 content of Mallinckrodt Sulfites, Bisulfites and related products is uniformly high for greater efficiency in use. More and more buyers are recognizing Mallinckrodt as a dependable source for these products.

Study This Chart Carefully. It Contains Valuable Technical Information.

MALLINCKRODT SULFITES

	Formula	Average* Assays	Calculated SO_2 Equivalent	Form	Solubility in Water
SODIUM SULFITE	Na_2SO_3	99% as Na_2SO_3	50%	Small Granules & Fine Powder	Freely Soluble
CALCIUM SULFITE	$CaSO_3+1\frac{1}{2}\ H_2O$	104% as $CaSO_3+1\frac{1}{2}\ H_2O$	45%	Crystalline Powder	Practically Insoluble
POTASSIUM SULFITE	K_2SO_3	98% as K_2SO_3	40%	Coarse Crystalline Powder	Freely Soluble
POTASSIUM META-BISULFITE	$K_2S_2O_5$	97% as $K_2S_2O_5$	56%	Granular or Powdered	Moderately Soluble
AMMONIUM SULFITE	$(NH_4)_2SO_3+H_2O$	99% as $(NH_4)_2SO_3+H_2O$	47%	Small Granules	Freely Soluble
SODIUM META-BISULFITE	$Na_2S_2O_5$	98% as $Na_2S_2O_5$	61%	Granular or Powdered	Moderately Soluble

*These figures are determined at the time of manufacture.

FINE CHEMICALS
Mallinckrodt
SINCE 1867

Mallinckrodt also supplies—in small or large quantities—Magnesium Sulfite, Sodium Bisulfite, Zinc Sulfite, Barium Sulfite and Acid Sulfurous 6%.

Bottle or Barrel . . .
Mallinckrodt Spells Quality

MALLINCKRODT CHEMICAL WORKS

Mallinckrodt Street, St. Louis, Mo. • 74 Gold Street, New York, N. Y.

CHICAGO • PHILADELPHIA • MONTREAL • TORONTO

Current Market Quotations

June 20, 1941

All matter under this heading fully protected by copyright

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

RECEIVED JUN 23 1941 LIBRARY THE CHEMISTS' CLUB

A

Acacia (see Gum, arabic).
Acetal, cbys., works....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works....lb. .38 - —
100-lb. lots, works....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works....lb. .30 - —
100-lb. lots, works....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots....lb. .33 - —
dms., 25-lb lots....lb. .38 - —
kgs., 2,000-lb. lots....lb. .33 - —
smaller lots....lb. .34 - —
powd., bbls., 2-000-lb. lots..lb. .30 - —
smaller lots....lb. .31 - —
dms., 25-lb. lots....lb. .36 - —
kgs, 2,000-lb. lots....lb. .31 - —
smaller lots....lb. .32 - —
Acetoacetanilide, dms....lb. .47 - .65
Acetone, CP, dms., c.l., divd..lb. .08½- —
l.c.l., divd....lb. .09 - —
tanks, divd....lb. .07 - —
Methyl (see M)
Acetonitrile, dms., works....lb. 1.00 - 2.00
Acetophenone, cns., 25 to 50 lbs., lb. 1.40 - 1.45
dms., 100 lbs....lb. 1.35 - 1.37
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms....lb. 1.08 - —
25 lbs., dms....lb. 1.10 - —
Acid, abietic, dms., o ... f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 3.18 - 3.43
cbys., cs....100 lbs. 3.68 - 5.93
56%, bbls....100 lbs. 5.18 - 5.43
cbys., cs....100 lbs. 5.68 - 5.93
70%, bbls....100 lbs. 6.19 - 6.44
cbys., cs....100 lbs. 6.69 - 6.94
80%, bbls....100 lbs. 6.91 - 7.16
cbys., cs....100 lbs. 7.41 - 7.66
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls....100 lbs. 8.30 - 8.55
cbys. ....100 lbs. 8.80 - 9.05
tanks ....100 lbs. 7.50 Nom.
USP, bbls....100 lbs.10.25 -10.50
cbys. ....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.45 - 8.70
tanks ....100 lbs. 6.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
CP, dms....100 lbs.13.50 -14.00
pure, 30%, bbls....100 lbs. 4.23 - 4.48
cbys., cs....100 lbs. 4.73 - 4.98
36%, bbls....100 lbs. 4.61 - 4.86
cbys., cs....100 lbs. 5.11 - 5.36
60%, bbls....100 lbs. 7.17 - 7.42
cbys., cs....100 lbs. 7.67 - 7.92
80%, bbls....100 lbs. 8.70 - 8.95
cbys., cs....100 lbs. 9.20 - 9.45

Acetic acid price differentials above are for c.l. and l.c.l. quantities, the prices apply delivered within the Metropolitan zones of stock carrying points, and f.o.b. these points for shipment beyond.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works....lb. .31 - —
Anthranilic, refd., bbls....lb. 1.15 - 1.20
tech., bbls....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs....lb. .44 - —
900 lbs. or less....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs....lb. .55 - —
900 lbs. or less....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs....lb. .56 - .57
99 lbs. or less....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis....lb. .23 - —
tanks, same basis....lb. .21 - —
Broenner's, bbls....lb. 1.11 - —
Camphoric, cns....lb. 6.95 - 7.00
Capric, dms....lb. .19 - .19½
Caproic, dms., works....lb. .25 - .30
Caprylic, dms....lb. .27 Nom.
Castor oil, split, dms....lb. .16½- .17
Chlorosulphonic, dms., c.l., wks. lb. .0350- —
5-drum lots, works....lb. .04 - —
single drum....lb. .05 - —
tanks, works....lb. .03 - —
Chromic, 99%, dms., c.l., divd. N. Y..lb. .16¼- —
l.c.l., 5 tons, divd. N.Y. lb. .16¾- —
smaller quantities, divd. N. Y..lb. .17¼- .18¼
Cinnamic, refd., bots....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls....lb. .65 - —
Coconut oil, dist., dms....lb. .16 - .16¼
Cottonseed oil, dist., dms....lb. .11½- .12
tanks ....lb. .11 - —
Cresylic (coaltar), high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - .76
l.c.l., same basis....gal. .70 - .78
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .71 - .76
l.c.l., same basis....gal. .73 - .78
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - .76
l.c.l., same basis....gal. .70 - .78
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - .76
l.c.l., same basis....gal. .73 - .78
imported, pale, dms....gal. .90 Nom.
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East U.S....gal. .48 - —
l.c.l., same basis....gal. .49 - .50
tanks, divd., East. U.S.gal. .439 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .54 - —
l.c.l., same basis....gal. .55 - .56
tanks, divd., East. U.S.gal. .498 - —
Crotonic, 10 bbls. or more, works..lb. .26 - —
smaller lots, works....lb. 1.00 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over.lb. .11 - —
1-24 cbys....lb. .11½- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms...lb. .28 - —
Gallic, tech., bbls....lb. .90 - .93
NF VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
smaller lots....lb. 1.10 - 1.12
fib. dms., 25 lbs....lb. 1.14 - 1.16
Gamma, bbls....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs....lb. .15 - —
25 or 50-lb. demij....lb. .21 - .23
5-lb. bots....lb. .29 - —
H. bbls....lb. .45 - —
Hydriodic, 45-47%, cbys....lb. 2.42 - 2.44
5-lb. bots....lb. 2.57 - —
57%, bots....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic)
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls....lb. .06 - .06½
rubber, dms....lb. .08 - .08½
48%, lead, cbys....lb. .12 - —
rubber, dms....lb. .11 - —
52%, lead, cbys....lb. .13 - —
rubber, dms....lb. .12 - —
60%, lead, cbys....lb. .14 - —
rubber, dms....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, U S P, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
Acid, lactic, tech., light, 44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19 cbys....lb. .11 - .12
1 to 4 cbys....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys....lb. .12¾- .13¾
1 to 4, cbys....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys....lb. .21½- .22½
USP, XI, 85%, cbys....lb. .42 - .45
USP, VIII, 75%, cbys....lb. .40 - .43
Lauric, dist., tech., dms....lb. .17½- .18
Laurent's, bbls....lb. .45 - —
Linseed oil, light, dms....lb. .16 - .16½
Maleic, powd., dms....lb. .30 - —
anhydride, dms., c.l....lb. .25 - —
l.c.l. ....lb. .26 - —
Malic, powd., kegs....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit....lb. .0085- .009
Molybdic, kegs, works....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works....100 lbs. 1.65 - —
CP, dealers, cbys....lb. .06½- —
6-lb. bots....lb. .17½- —
consumers, cbys....lb. .06 - —
6-lb. bots....lb. .19 - —
Myristic, dist., dms....lb. .18 - .18½
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06½ Nom.
l.c.l., works....lb. .07 Nom.
tanks, works....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works....lb. .09½ Nom.
tanks, c.l., works....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works....lb. .10½ Nom.
tanks, works....lb. No prices
Nicotinic, 100-lb. cns....lb. 7.15 - —
50-lb. cns....lb. 7.25 - —
25-lb. cns....lb. 7.30 - —
5-lb. bots....lb. 7.46 - —
1-lb. bots....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots....lb. .21½- —
consumers, cbys....lb. .13 - —
7-lb. bots....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs. or over....lb. .11 - —
smaller quantities....lb. .12 - .14
Palm oil, white, dist., dms..lb. .10 - ...10½
tanks ....lb. .09½- —
Paraminobenzoic, cns....lb. 1.40 - —
Paranitrobenzoic, cns....lb. .72 - —
Phenylacetic, bots....lb. 1.45 - 1.95
Phosphoric, ortho., tech., 50%, cbys..lb. .06 - —
75%, cbys....lb. .07½- —
USP, 85%, s. g., 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs....lb. .65 - .70
Picric, bbls....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works.lb. .14 - —
tanks, works....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.15 - —
cns. ....lb. 1.33 - —

Acacia—Alcohol

Acid, pyrogallic, USP, cryst., cns..lb. 1.70 - 1.75
resub., cns....lb. 2.20 - 2.30
Pyroligneous, bbls., divd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works....lb. .32 - .37
Salicylic, tech., bbls....lb. .33 - —
USP, bbls....lb. .35 - .38
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works....lb. No prices
Soybean oil, dist., dms....lb. .15½- .16
Stearic, dist., double pressed, bgs., divd..lb. .13¼- .14¼
single pressed, bgs., divd..lb. .12¾- .13¾
triple pressed, bgs., divd..lb. .16 - .17
saponif., double pressed, bgs., divd..lb. .13¼- .14½
triple pressed, bgs., divd..lb. .16¼- .17¼
Succinic, bbls....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works....lb. .17 - —
Sulphonaphthenic, dms....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works....ton.16.50 - —
98°, tanks, works....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots....lb. .15½- —
consumers, cbys....lb. .08 - —
9-lb. bots....lb. .17 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots....lb. 1.00 - —
25-lb. lots....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .63½- —
smaller quantities....lb. .64 - —
kgs. ....lb. .64½- —
Tobias, bbls....lb. .55 - .60
Trichloracetic, bots....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Aconite, leaves, bls....lb. .38 - .42
Root, bls....lb. 1.10 - 1.15
Aconitine, amorph., bots....oz.23.00 -28.00
vial ....vial 1.00 - —
cryst., bots....oz.42.00 - —
vial ....vial 1.00 - —
Acrylonitrille, dms., c.l....lb. .34½- —
5,000 lbs. or more....lb. .35 - —
1 ton to 4,999 lbs....lb. .35½- —
1 dm. to 1 ton....lb. .36 - —
tank cars....lb. .34 - —
Adeps lanae, anhyd., dms....lb. .19 - .20
hyd., dms....lb. .17 - .18
Agar, 1 lb....lb. 1.40 - 1.45
3 lbs....lb. No prices
Agaric, white, bls....lb. No stocks
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .60 - .70
import, bgs....lb. No prices
Egg, ed., dom., cryst., bbls..lb. 1.38 - 1.40
powd., dms., bbls....lb. 1.35 - 1.45
import, cs....lb. No prices
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .121 - —
l.c.l., frt. alld....lb. .131 - —
tanks, frt. alld....lb. .111 - —
normal, dms., l.c.l., works..lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns....lb. .58 - —
drums ....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld....lb. .11½- —
tanks, frt. alld....lb. .10 - —
tankwagon, frt. alld....lb. .09½- .10½
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .09 - —
l.c.l., same terms....lb. .09½- —
tanks, same terms....lb. .08 - —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms....lb. .13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs....lb. 1.70 - —
100 lbs....lb. 1.80 - —
25 lbs....lb. 1.90 - —
5 lbs....lb. 2.00 - —
Cinnamic, bots....lb. 2.33 - 2.95
Denatured, CD14, dms., c.l., divd. E...gal. .36½- .38¼
l.c.l., divd., dms....gal. .41½- .43½
tanks, E., divd....gal. .30½- .32½

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .35 - —
19 bbls., E. works...gal. .37 - —

Alcohol—Benzophenone

Alcohol, SD1, 190 pf., 1 to 18 bbls., E. works..gal. .40 - —
dms., c.l., E. works...gal. .33 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms.....gal. .38 - —
tanks, E. works.....gal. .27 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .30½- —
19 dms., works, E...gal. .32½- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —
SD23G, works, E., c.l., dms., gal. .36½- —
19 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., divd..lb. .11½- .12
l.c.l., divd.....lb. .12 - .12½
tanks, divd.....lb. .10½- .11
tech., dms., c.l., divd.....lb. .11 - —
l.c.l., divd.....lb. .11½- —
tanks, divd.....lb. .10 - —
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½- —
19 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks .....gal. 5.96½- —
absolute, dms., c.l.....gal. 6.37½- —
19 dms.....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —
Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0790- —
tanks, same terms.....lb. .0690- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvenyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms.. works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade., dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., divd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5-10-gal. dms., works...lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Allspice, Mexican, bgs.....lb. .13 - .13½
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 3.60 - —
100-lb. kgs.....lb. 3.62 - —
25-lb. fib. dms.....lb. 3.69 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
divd., N. Y., Phil...100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
divd., N. Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
divd., N. Y., Phil..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, divd., N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
divd. N. Y., Phila....100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phila...100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
divd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No prices
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100-lbs. 4.25 - 5.00
Alumina acetate, tech., baste, powd., insoluble, bbls., 10 or more, divd..lb. .35 - —
1 to 9, divd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., divd....lb. .33 - —
smaller containers, divd., lb. .45 - —
solut., 24%, bbls., c.l., divd..lb. .07¼- —
Alumina acetate, solut., 24%, l.c.l., 10 or over, divd. lb. .08¼- —
1 to 9 divd.....lb. .0863- —
normal, pwd., bbls., divd. lb. .33 - —
smaller containers, divd..lb. .35 - —
solut., 20%, bbls., c.l., divd..lb. .08 - —
l.c.l., 10 or over., divd. lb. .08½- —
1 to 9, divd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .06 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., divd..lb. .13 - —
l.c.l. divd.....lb .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs, c.l., divd.....lb. .12 - —
l.c.l., bgs., divd.....lb. .12½- —
bbls., c.l., divd.....lb. .12½- —
l.c.l., bbls., divd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., divd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .21 - —
l.c.l. .....lb. .22 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equaled.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.85 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.30 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs...lb. .87½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .87 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .87 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c, per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia, acetate, bbls., kgs., divd..lb. .27 - .33
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f. o. b. Belle, W. Va., frt. equal with Hopewell, Va..ton. 90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., divd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .03¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., divd. Met. N. Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .15 - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., divd. Met. N. Y..lb. .03¼- .03¾
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.15 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .27 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Ammonia, phosphate, dibasic, NF V, bls..lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Jan.-June shipt..ton. 29.00 - —
spot, same basis.....ton. 30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½- —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 48%, cbys, works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys, works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, csks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .12½- —
l.c.l., divd.....lb. .13 - —
tanks, divd.....lb. .11½- —
cns., works.....lb. .18 - —
ex Pentane, dms., c.l., frt. alld..lb. .115 - —
l.c.l., frt. alld.....lb. .125 - —
tanks, frt. alld.....lb. .10½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.60 - 1.65
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .65 - —
cns. .....lb. .52 - .55
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.60 - 1.65
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .37 - .38
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. No stocks
Star .....lb. .21 - .21½
Anisic aldehyde, bots.....lb. 2.60 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .63 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%, lb. .16 - —
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l., divd.....lb. .12 - .13
l.c.l., divd.....lb. .13½- .14½
Salt, 65%, dms., divd. E. of Miss. River..lb. .30 - —
bbls., same basis.....lb. .28 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots. lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .17 - .19
Arecoline hydrobromide, bots..oz. 6.00 - 7.25
Argols, test 70% to 85%, basis 100%, 100 kgm., purity.... 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.50 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .10½- .10¾
bbls. .....lb. .10 - .10½
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.88 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03½- —
l.c.l. .....lb. .04½- —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant. lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .06 - —
smaller lots, f.o.b. plant. lb. .06 - —
Asphaltum, California, dms., c.l., f.o.b. N. Y..ton. 20.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton. 58.00 - —
jet, bgs., c.l., Western shipping points..ton. 30.50 - —
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery. gal. .12 - —
tanks, Calif., refinery..ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 16.50 - —
Sulphate, bots.....oz. 12.75 - —

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l, works..ton. 45.00 - —
l.c.l., works.....ton. 50.00 - —
bbls., c.l., works.....ton. 50.00 - —
l.c.l., works.....ton. 55.00 - —
Sulphur-free, c.l., works..ton. 50.00 - —
l.c.l., works.....ton. 55.00 - —
Chlorate, kgs.....lb. No prices
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, divd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis, ton. 90.00 - —
bbls., same basis..ton. 92.00 - —
Zone 2, bgs., c.l., divd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton. 81.00 - —
bbls., same basis..ton. 83.00 - —
l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., divd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., bgs., same basis, ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms., c.l., works.....lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .05¾- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 25.15 - —
l.c.l., same basis.....ton. 26.15 - —
paper bags, c.l., St. Louis, ton. 22.85 - —
l.c.l., same basis.....ton. 23.85 - —
ex whse., New York....ton. 31.50 - —
Southern, off color, bgs., mines, ton. 16.00 - —
95.75%, bgs., mines.....ton. 16.50 - —
ore, bulk, mines.....ton. 8.00 - —
Cuban, crude, c.l., c.i.f.....ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 1.90 - 2.00
Root, bls.....lb. 1.90 - 2.00
Bentonite, 200 mesh, bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.00 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzophenone, dms.....lb. .85 - 1.00

No safety device ever invented will take all the risk out of mountain climbing. Yet there is a way—a sure way—to remove every hazard from shipments in drums.

Tampering, leakage, substitution, pilferage, waste — all the dangers that lurk in the path of your product—are banished by Tri-Sure Closures. The Tri-Sure seal cannot be removed unless it is deliberately destroyed; the Tri-Sure plug is always held tightly in place; the Tri-Sure flange assures complete drainage.

Make *sure* that *your* product, *your* profits, *your* reputation are protected every minute your product is in transit. Equip every drum with Tri-Sure—and let every customer know that the same quality and quantity you ship is received. Write for information on Tri-Sure Closures.

Tri-Sure

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CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK

Benzoyl Chloride—Cellulose

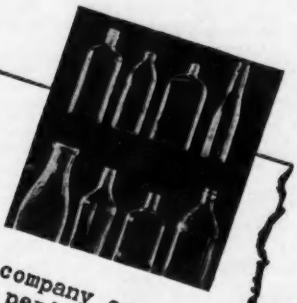
Benzoyl chloride, cbys.....lb. .23 - .38
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .48 - —
dms. .....lb. .44 - —
Benzyl alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans.lb. .84 - —
dms. .....lb. .80 - —
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.25 - 5.50
Formate, cns.....lb. 2.40 - 2.75
Isoeugenol, bots.....lb. 9.55 - —
Propionate, bots.....lb. 2.00 - 2.25
Salicylate, bots.....lb. 1.45 - 1.60
Benzylidineacetone, bots.....lb. 2.20 - 2.50
Berberine bisulphate, cns.....lb.17.75 -27.50
Hydrochloride, cns.....lb.17.75 -27.50
Sulphate, cns.....lb.17.75 -27.50
Berberis root, bls.....lb. .12 - .18
Betanaphthol, sublim., kgs.....lb. .55 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs. .....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots., lb. 2.86 - —
jars .....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib, dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns. .....lb. 3.65 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l. frt. alld. E., lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½- —
4, bbls., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls.. bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .11½- —
l.c.l., frt. alld. E.....lb. .12 - —
8, bbls., bgs., c.l., frt. alld. E., lb. .12½- —
l.c.l., frt. alld. E.....lb. .13 - —
Bone black prices on Pacific Coast are 1½c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03325- —
f.o.b. North Atlantic ports..lb. .0430- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07¼- —
dlvd..lb. .07¼- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03175- —
f.o.b. North Atlantic ports..lb. .0415- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06¾- —
dlvd..lb. .06¾- —
bulk, cars, c.l., f.o.b. plants, lb. .03 - —
f.o.b. New York harbor..lb. .0397- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls.. l.c.l., works.....lb. .08 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N.Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
Black dyes are listed under Dyes.
Black Haw, root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.10 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 3.25 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 3.00 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.) Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs.....lb. 3.75 - —
Victoria, kgs.....lb. 3.30 - —
methyl violet, kgs.....lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 - —
import, bgs., c.i.f. ports..ton.37.50 - —
meal, steamed, dom., 2% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 -35.00
import, bgs., c.i.f. ports..ton.36.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.40.00 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld... ton.45.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .80 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 3.25 - 4.00
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sap, crystals, dom., works...lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis....lb. .12 - —
Italian, group:—
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09½- —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .08¾- —
8, bbls., same basis....lb. .08½- —
9, bbls., same basis....lb. .08 - —
10, bbls., same basis....lb. .08 - —
11, bbls., same basis....lb. .07½- —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06¾- —
14, bbls., same basis....lb. .06¼- —
Raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N. Y. or works..lb. .13¼- —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .12¼- —
4, bbls., same basis....lb. .10¼- —
5, bbls., same basis....lb. .10¼- —
6, bbls., same basis....lb. .09¼- —
7, bbls., same basis....lb. .09½- —
8, bbls., same basis....lb. .08 - —
9, bbls., same basis....lb. .07½- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .05¾- —
umber, American, bbls., works..lb. .03½- —
Brown, Sienna, raw, Turkey, bbls.. l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y..lb. .04¾- —
St. Louis.....lb. .05¼- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
ex whse. Los Angeles, Portland, San Francisco, Seattle..lb. .05¾- —
Boston .....lb. .04¾- —
Chicago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0585- —
Pittsburgh .....lb. .05 - —
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special .....lb. .12 - —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .57 - .58
Buckthorn bark, true, bls.....lb. No prices
cut and sifted, bbls.....lb. .75 - .80
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .10 - —
tankwagons, frt. alld...lb. .10½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .09 - —
dms., l.c.l., same terms.lb. .09½- —
tanks, same terms.....lb. .08 - —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., works..lb. .35 - —
1-gal. cns., works.....lb. 1.00 - —
5-gal. cns., works.....lb. .75 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .32½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02¼- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - —
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.23 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .95 Nom.
ingots or sticks.....lb. .90 Nom.
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 2.80 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .60
Cala.nus root, peeled, N. F., cs., lb. .85 Nom.
bleached, bls.....lb. No stocks
Calcium acetate, bgs., dlvd., 100 lbs. 3.00 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, bgs., 77-80%, c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or more, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib. dms.... 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphate, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.05 - —
fluffy, dms.....lb. 2.05 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt..unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .24 - —
l.c.l., ton.....lb. .25 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - .50
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs...lb. .73 - .74
slabs, cs.....lb. .73 - .74
tablets, tins.....lb. .80 - .81
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0350- .0350
Morocco, bgs.....lb. .0480- .0500
Turkish, bgs.....lb. No stocks
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd., bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .85 - .88
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .223- —
l.c.l., same basis.....lb. .235- —
tanks, same basis.....lb. .215- —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07¼
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .68½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.30 - 1.50
decorticated, cs.....lb. 1.20 - 1.30
green, Ceylon, afloat, bgs.....lb. 1.30 - 1.50
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .18 - .19
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .21 - .22
5 tons, works.....lb. .21¼- .22¼
smaller lots, works.....lb. .21½- .22½
80-100 mesh, works.....lb. .21½- —
5 tons, works.....lb. .21¾- .22¾
smaller lots, works.....lb. .22 - —
import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .20 - —
80-100 mesh, bgs., c.l., duty paid..lb. .20½- —
French, 30 mesh., bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .19½- .20
No. 1 regular, bls.....lb. .18½- .19
shortsticks, bls.....lb. .14½- .15
broken, bls.....lb. .12 - .12½
China, buds, bags.....lb. .14 - .14½
Rolls, select, bls.....lb. .13 - .13½
broken, extra, bls.....lb. .12¼- .12¾
Saigon, No. 1, 4-10-4, bls.....lb. .23½- .24
10-6-2, bls.....lb. .24 - .24½
all thin, bls.....lb. .25 - .25½
Cassia fistula, bskts.....lb. .22 - .24
Castoreum, nat., cns.....lb.12.50 -15.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't. c.&f., N. Y..long ton.71.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .84 - .86
Indian .....lb. .53 - .54
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn.,
Cellulose, acetate-butyrate 5,000 lbs. and up, frt alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lbs. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —

Aerosol* Wetting Agents

make these three jobs easier, better, more economical



BOTTLE WASHING

A certain bottling company conducted tests over a period of several months to develop a satisfactory process to remove labels and loosen dirt on returned bottles. It was found that by using 7½ pounds of AEROSOL OS in a 1200 gallon rinse tank, rigid inspection revealed practically no carry-over of labels and dirt. Brewery, milk, and soft drink bottling concerns may obtain further details on this important application of the superior wetting properties of AEROSOL OS by writing Cyanamid.

FOUNDRY OPERATIONS

A number of foundry practices have been improved by the use of small quantities of AEROSOL OT 100%. A small amount of AEROSOL used in the wetting of Bentonite or foundry sand can greatly speed up the wetting and mixing operation. In emulsifying the water and linseed oil ordinarily used as core binder, AEROSOL OT 100% will save about 25% in quantity and cost of the oil. The usual procedure is to dissolve an ounce of AEROSOL OT 100% in a gallon of kerosene and use about 2 ounces of this solution to each quart of core oil to be emulsified.

PHOTOGRAPHIC PROCESSES

One part of AEROSOL OT Clear 10% in 1000 parts of solution provides important improvements in the developing, desensitizing and washing of photographic films. Use of AEROSOL in the various solutions retards and eliminates air bell formations, developing proceeds more quickly and uniformly, and less agitation of the film or solution is required. Water "spotting" is minimized because the AEROSOL tends to cause the water to spread evenly rather than to segregate and collect in drops on the surface of the film or photographic paper. This same action of the AEROSOL in solution causes film to have less tendency to curl or turn up at the corners. For further details on photographic applications of AEROSOL OT, write Cyanamid.

AEROSOL OT is the most powerful wetting agent commercially available . . . superior strength and wetting power making it extremely economical and exceptionally effective when properly used. AEROSOL OT Wetting Agents can be obtained in concentrated form (100%), or in dilute solutions from 10 to 85%, as required. For special applications involving high concentrations of electrolytes, special types of AEROSOL are available. Most of the AEROSOL Wetting Agents contain no inorganic salts and can, therefore, be used in a wide range of industrial processes. Consult Cyanamid about AEROSOL wherever fast and complete wetting is a problem. Write today for special folder on AEROSOL, to . . .

American Cyanamid & Chemical Corporation

A UNIT OF AMERICAN CYANAMID COMPANY • 30 ROCKEFELLER PLAZA, NEW YORK

*Trademark of American Cyanamid & Chemical Corporation applied to wetting agents of its own manufacture.

OFFICES: Boston, Massachusetts; Philadelphia, Pa.; Baltimore, Maryland; Charlotte, North Carolina; Cleveland, Ohio; Chicago, Illinois; Kalamazoo, Mich.; Detroit, Mich.; St. Louis, Missouri; Azusa, Calif.

Cellulose Acet.-Prop.—Dyes

Cellulose, acetate-propionate, low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld., lb. .41 - —
1,000-4,999 lbs., frt. alld. lb. .42 - —
100-999 lbs., frt. alld. lb. .43 - —
smaller pkgs., works lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld. lb. .43 - —
1,000-4,999 lbs., frt. alld. lb. .44 - —
100-999 lbs., frt. alld. lb. .45 - —
smaller pkgs., works lb. .46 - —
Triacetate, flake, frt. alld. lb. .30 - —
Cerium hydrate, dms., works lb. .60 - —
oxalate, USP, bbls., works lb. .35 - —
kgs., works lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works lb. .02½- —
cks., 250 lbs., c.l., f.o.b. works lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs. lb. .85 - 1.00
Roman, bls. lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va. ton.35.40 - —
Colo. ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt. ton.35.80 - —
Ill. (except river points), Minn., Neb., Wis. ton.27.06 - —
Indiana ton.31.00 - —
Ill. (river points), Mo., Okla., Tex., (except El Paso), La. ton.28.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan ton.32.80 - —
Ohio ton.32.80 - —
Penn. ton.34.80 - —
Utah ton.36.00 - —
Willow, powd., bbls. lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works lb. .0240- —
l.c.l., bbls., works lb. .0265- —
tanks, works lb. .0190- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works ton. 9.50 - —
l.c.l., works ton.10.00 -16.00
bulk, c.l., works ton. 7.60 - —
200 mesh, bgs., c.l., works ton. 8.50 - —
l.c.l., works ton. 9.50 -15.50
wet-grd., silk-bolt, 90.9%, 325 mesh, bulk, c.l., works ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila. ton.18.60 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, jars, 1,000 lbs. lb. .93 - 1.02
500 lbs. lb. .96 - 1.05
100 lbs. lb. .98 - 1.07
25 lbs. lb. 1.00 - 1.09
1-10 lbs. lb. 1.05 - 1.12
dms., 1,000 lbs. lb. .90 - —
500 lbs. lb. .93 - —
100 lbs. lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works lb. .32 - —
100 lbs., ctns. lb. .35 - —
smaller lots lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y. lb. .05¼- —
contracts, dlvd., N. Y. lb. .05¾- —
l.c.l., dlvd., N. Y. lb. .07¼- —
tanks, single units, works, frt. equald. 100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt., equald., 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.40 - —
1, works, frt., equald., 100 lbs. 2.90 - —
Chloracetaphenone, tins, works lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms. lb. .20 - —
100-lb. dms. lb. .22 - —
50-lb. dms. lb. .23 - —
USP, 650-lb. dms. lb. .30 - —
100-lb. dms. lb. .32 - —
50-lb. dms. lb. .33 - —
Chlorpicrin, com'l, 120-lb. cyls., frt. alld. lb. .30 - —
100-lb. cyls., frt. alld. lb. .35 - —
25-lb. cyls., works lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.22 - —
Chrome acetate, powd., 24%, bbls., lb. .21½- —
solut., 8½% cs., bbls. lb. No price
Cake, bulk, c.l., works ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs. lb. .45 - —
scale, dms., 100 lbs. lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot. lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs. lb. .85 - .90
20 in., thick, cs. lb. .85 - .90
20 in., medium, cs. lb. .85 - .90
USP, broken quill, red, bgs. lb. .20 - .21
yellow, bgs. lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs. oz. .89 - —
Sulphate, N.F., cns., 100 ozs. oz. .53 - —

Cinchonidine buyers must pay a surcharge of 8¼c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs. oz. .62 - —
large cryst., cns., 100 ozs. oz. .66 - —
Sulphate, N.F., cns., 100 ozs. oz. .42 - —

Cinchonine buyers must pay a surcharge of 8¼c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots. lb. 3.70 - 3.80
100 lbs., dms. lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns. lb. 1.10 - 1.20
Cinnamon, Ceylon, 2 bls. lb. .24 - .25
3 bls. lb. No stocks
Citral, bots., cns. lb. 3.00 - 4.00
Citrine ointment, jars lb. .95 - .97
Citronellal, bots., dms. lb. 1.50 - 2.25
Citronellol, bots., dms. lb. 1.75 - 2.00
Clove, Amboyna, bgs. lb. .25 - .26
Madagascar lb. .19½- .20
Zanzibar lb. .17¾- .18¼
Clover tops, red, bgs. lb. .35 - .40
dom., bgs. lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works bbls. 7.50 - 7.75
l.c.l., works bbl. 8.25 - 8.50
tanks, works gal. .07¼- .09
refd., bbls., c.l., works bbl. 8.00 - 8.25
l.c.l., works bbl. 8.75 - 9.00
tanks, works gal. .08½- .10
water-gas, crude, dms., c.l., works dm. 7.50 - —
l.c.l., works dm. 8.25 - —
refd., dms., c.l., works dm. 8.00 - —
l.c.l., works dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works lb. .85 - —
Hydrate, bbls lb. 1.98 - —
Linoleate, paste, 5%, dms. lb. .31 - —
solid, 8½%, bbls lb. .33 - —
Oleate, bbls lb. .25 Nom.
Oxide, black, kgs. lb. 1.84 - —
Resinate, fused A, bbls lb. .18½- —
1 %, cobalt oxide, bbls lb. .13 - —
2 %, cobalt oxide, bbls lb. .14 - —
5½%, cobalt oxide, bbls lb. .17½- —
precip., dms., dlvd lb. .34 - —
Sulphate, dms., 100 lbs. lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns. oz. 9.75 - —
Cochineal, grey, bgs lb. .37 - .38
Teneriffe, silver, bgs lb. .38 - .39
Cocoa butter, bulk, c.l., bgs. lb. .23½- .24
Cocillana bark, bgs lb. .25 - .30
Codeine, cns., 100 ozs. oz. 11.70 - —
Hydrochloride, cns., 100 ozs. oz. 10.50 - —
Phosphate, cns., 100 ozs. oz. 9.00 - —
Sulphate, cns., 100 ozs. oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .07 - .08
Blue, root, bls. lb. .07 - .08
Colchicine, bots., cns. oz.36.00 - —
Colchicum seed, bgs. lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs. lb. .15 - —
cns., 25 lbs. lb. .19 - .20
flexible, USP, dms., 325 lbs. lb. .17 - —
cns., 25 lbs. lb. .21 - .22
Colocynth pulp, bls. lb. .95 - 1.00
Colombo root, bls. lb. .20 - .21
Coltsfoot leaves, bgs. lb. .35 - .40
Condurango bark, bgs. lb. .11 - .12
Conium leaves, bls. lb. .30 - .32
Copaiba, balsam, Para, cns. lb. .32 - .33
S.A., USP, cns. lb. .34 - .35
Copper acetate, normal, bbls., dlvd. lb. .24 - —
smaller containers, dlvd. lb. .26 - —
Carbonate, 52-54%, bbls. lb. .18 - .20½
Chloride, anhyd., bbls lb. .16 - .18
cryst. lb. .15½- .14½
Cyanide, tech., bbls lb. .34 - .36
Iodide, bots. lb. 5.15 - 5.19
Metal, electrolytic lb. .12 - .12½
Nitrate, cryst., bbls lb. .20 Nom.
Oleate, precip., bbls lb. .20 - —
Oxide, black, bbls., tons, works, lb. .18½- .20
Red, com'l, kgs., f.o.b. N. Y. lb. .19 - .21
Resinate, precip., bbls lb. .15 - .16
Sulphate, 99% cryst., bbls., c.l., f.o.b. works, 100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.00 - —
1-5 bbls., same basis, 100 lbs. 5.25 - —
monohydrated, dms., c.l., dealers, f.o.b. works 100 lbs. 8.60 - —
l.c.l., dealers 100 lbs. 9.60 - —
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
bbls., c.l., works ton.20.00 - —
l.c.l., 22 or over, works, 100 lbs. 1.55 - —
1-4, works 100 lbs. 2.00 - —
bulk, c.l., works ton.14.00 - —
Copra, Coast, ship lb. No prices
Coriander, bgs lb. .10¾- .11¼
bleached, bgs lb. .12 - .12½
Corn silk, bls. lb. .22 - .23
Corn sugar, tanners', chipped, bgs., c.l., dlvd. 100 lbs. 4.05 - —
slabs, bbls., c.l. 100 lbs. 3.41 - —
solid, bbls., c.l. 100 lbs. 3.52 - —
Syrup, 42° bbls., c.l. 100 lbs. 3.57 - —
48° bbls., c.l. 100 lbs. 3.57 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more lb. 2.19 - —
gran., powd., dms., 50 lbs. or more lb. 2.04 - —
Cottenroot bark, bls. lb. .10 - .11
Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd. unit-ton. 1.00 - —
meal, 8%, Southeast, mills ton.27.75 -28.00
Coumarin, 1 lbs. or more, 25-lb. cns. lb. 2.75 - 3.00
5-lb. cns. lb. 2.85 - 3.10
1-lb. cns. lb. 3.00 - 3.25
1-oz. cns. lb. 3.35 - 3.60
less than 1 dms., cns. lb. 4.15 - 4.65
Cramp bark, genuine, bls. lb. .20 - .45
so-called, bls. lb. .06 - .07
Cranesbill root, bls. lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .52½- —
smaller lots, bbls. lb. .53 - —
kgs. lb. .58¾- —
Creosote, beechwood, bots. lb. .70 Nom.
hardwood, USP, bots. lb. .45 - .47
Pine, dms. gal. .28 - —
Carbonate, bots., cbys. lb. 1.90 - 2.29
Oil, crude, tanks, works gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works gal. .25 - —
tanks, works gal. .18 - .18½
Cresol, USP, dms., c.l., works lb. .10¼- —
l.c.l., same basis lb. .10¾- —
special resin grade, dms., c.l., works lb. .09¼- —
l.c.l., same basis lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
5 and 10-gal. dms., works lb. .15 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River lb. .06½- —
l.c.l., works lb. .09¼- —
natural, c.l. 100 lbs. 8.75 - —
l.c.l. 100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C. lb. .25 - .27
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs. lb. .45 - .50
powd., cs. lb. .53 - .54
Culver's root, bls. lb. .16 - .17
Cumin seed, Morocco, bgs. lb. .18½- .19
Cyprus, bgs. lb. .18½- .19
Indian, bgs. lb. .16¼- .16¾
Persian, bgs. lb. .17½- .18
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid lb. .04¾- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N. unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms. lb. .10¾- —
lump, dms. lb. .09¾- —
75%, gran., dms. lb. .15 - —
Cyclohexane, 98-100%, dms., works lb. .16 - —
Cyclohexanol, 98-100%, dms., works lb. .23 - —
Cyclohexanone, 98-100%, dms., works lb. .32 - —

D

Damiana leaves, bls. lb. .16 - .17
Dandelion root, bls. lb. .70 - .75
Decanol, normal, tech., 360 lbs., dms., dlvd. lb. .35 - —
Deertongue leaves, bls. lb. .12 - .14
Degras, common, dom., bbls. lb. .06 - .08½
neutral, dom., bbls. lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y. lb. .27 - .28
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns. lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago 100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago 100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago 100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago 100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago 100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago 100 lbs. 4.15 - —
Potato, bgs., dom., c.l. lb. .08 - —
l.c.l., bgs. lb. .09 - .10
Diacetone (see under Alcohol).
Diacetyl, bots. lb. 9.50 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works lb. .092 - —
tanks, works lb. .075 - —
Phthalate, dms., c.l., dlvd. lb. .21 - —
l.c.l., dlvd. lb. .21½- —
tanks, dlvd. lb. .20 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works lb. .50 - —
Diamylene, dms., c.l., works lb. .095 - —
l.c.l., works lb. .102 - —
tanks, works lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works lb. .17 - —
l.c.l. lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst. ton.22.00 -25.00
l.c.l., ex whse. ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard ton.35.00 -39.00
l.c.l., ex whse ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard lb. .07 - —
l.c.l., ex whse lb. .10 - .16
import, Algerian, bgs., c.l., c.i.f. ton. No prices
Mexican, white, bgs., c.l., c.i.f. lb. .02 - .03
l.c.l. lb. .04 - .06
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. lb. .53 - —
tanks, works lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd. lb. .19 - —
l.c.l., dlvd lb. .19½- —
tanks, dlvd lb. .18 - —
cns., works ton.45.00 - —
Sebacate, dms., works lb. .45 - .47
Tartrate, dom., dms lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
tanks, works lb. .14 - —
Dichloropentanes, dms., c.l., works lb. .032 - —
l.c.l. lb. .04 - —
tanks lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works lb. .24½- —
tanks, works lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms. lb. .75 - —
Diethylanilin, dms lb. .40 - —
Diethylcarbonate, com'l, dms., lb. .25 - —
refd., 99%, dms lb. .35 - —
Oxalate, dms., l.c.l., dlvd. lb. .28 - —
Diethyl phthalate, dms., c.l., frt. alld. lb. .20 - —
l.c.l. lb. .20½- —
tanks lb. .19 - —
Sulphate, dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - —
tanks lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works lb. .15½- —
Monobutylether, dms., works lb. .22½- .24½
Monoethylether, dms., c.l., works lb. .14½- —
l.c.l., works lb. .15½- —
tanks, works lb. .13½- —
Digitalis leaves, dms lb. .40 - .42
Diglycol, laurate, c.l. lb. .16 - —
Oleate, light, bbls., c.l. lb. .17 - —
Stearate, bbls., c.l. lb. .22 - —
Di-isobutyl ketone, dms., works lb. .19 - —
Diffused, cleaned, bgs. lb. .08½- .09
Dimethyl phthalate, dms., c.l., dlvd. lb. .19½- —
l.c.l., dlvd. lb. .20 - —
tanks, dlvd. lb. .18½- —
Dimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd. lb. .90 - —
Dimethylanilin, dms., c.l. lb. .23 - —
l.c.l., dms. lb. .24 - —
Dinitrobenzene, bbls., 60° min. lb. .18 - —
Dinitrochlorobenzene, dms. lb. .14 - —
Dinitronaphthalene, kgs. lb. .35 - .38
Dinitrophenol, bbls lb. .22 - —
Dinitrotoluene, dms lb. .15½- —
oily, dms lb. .06 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd. lb. .44 - —
660-1,950 lbs., dlvd. lb. .46 - —
150-450 lbs., dlvd. lb. .47 - —
Dioxan, dms., c.l., frt. alld. lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms. gal. .47 - .50
tanks gal. .41 - —
dest., dist., dms gal. .42 - .48
tanks gal. .38 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, dms. lb. .43 - .45
cns. lb. .48 - .50
Diphenylamine, bbls lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd. lb. .35 - —
600-1,950 lbs., dlvd. lb. .36 - —
150-450 lbs., dlvd. lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian ton.40.00 - —
Venezuelan ton.45.00 - —
Doggrass root, lmp., cut, NF, bls. lb. .88 - 1.00
domestic, bls. lb. .36 - .37
Dogwood bark, Jamaica, bls. lb. .08 - .09
Dovers powder, USP, cns. lb. 2.75 - 2.80
Dragon's blood, mass, cs. lb. .85 - .85
reeds, cs. lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns. lb.13.50 - —
FD&C blue, No. 2, cns. lb.13.50 - —
Green FD&C green, No. 2, cns. lb.17.50 - —
FD&C green, No. 3, cns. lb.27.50 - —
FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns. lb. 2.90 - —
FD&C orange, No. 2, cns. lb. 3.65 - —
Red, FD&C red, No. 1, cns. lb. 6.00 - —
FD&C red, No. 2, cns. lb. 3.15 - —
FD&C red, No. 3, cns. lb.17.50 - —
FD&C red, No. 31, cns. lb. 5.75 - —
FD&C red, No. 32, cns. lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns. lb. 8.50 - —
FD&C yellow, No. 3, cns. lb. 2.65 - —
FD&C yellow, No. 4, cns. lb. 2.65 - —
FD&C yellow, No. 5, cns. lb. 3.15 - —
FD&C yellow, No. 6, cns. lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1. lb. 8.35 - —
Blue, D&C blue, No. 6. lb.13.50 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns. lb.12.35 - —
Orange, D&C orange, No. 3, cns. lb. 8.35 - —
D&C orange, No. 4, cns. lb.15.35 - —
D&C orange, No. 10, cns. lb.15.85 - —
D&C orange, No. 11, cns. lb.17.35 - —
Red, D&C red, No. 5. lb. 6.00 - —
D&C red, No. 17. lb. 8.35 - —
D&C red, No. 18. lb.18.35 - —
D&C red, No. 19, cns. lb.15.35 - —
D&C red, No. 22, cns. lb. 8.35 - —
D&C red, No. 33. lb.18.35 - —
D&C red, No. 37, cns. lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 8, cns. lb. 8.35 - —
D&C yellow, No. 11. lb.10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns. lb.12.35 - —
Green, Ext. D&C green, No. 1, cns. lb.12.35 - —
Red, Ext. D&C red, No. 1, cns. lb.10.35 - —
Ext. D&C red, No. 3. lb.21.85 - —
Ext. D&C red, No. 8. lb. 7.85 - —
Ext. D&C red, No. 10, cns. lb.12.35 - —
Ext. D&C red, No. 13, cns. lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns. lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G. lb. .65 - .70
40 Chrome yellow R. lb. .50 - 1.00
53 Victoria violet. lb. .80 - 1.00
165 Lake red C. lb. .70 - .80
170 Fast red A. lb. .56 - .60
180 Fast red VR. lb. 1.50 - 1.60
189 Lake red R, paste. lb. .85 - .90
189 Lake red R, powd. lb. 3.00 - 3.10
Sulphur tan. lb. .30 - .50
202 Chrome blue black U. lb. .32 - .40
204 Chrome black A. lb. 1.75 - 2.00
208 Fast red blue R. lb. .75 - 2.00
216 Chrome red B. lb. 1.75 - 2.00
262 Cloth red 2B. lb. .60 - .60
280 Fast cyanin 5R. lb. .90 - 1.00
299 Chrome black F. lb. .60 - .65
307 Fast cyanin black B. lb. .80 - .85
326 Direct cast scarlet. lb. 2.00 - 2.25
304 Paper yellow. lb. .85 - .90
365 Chrysophenin G. lb. .58 - .70
394 Direct violet N. lb. 1.25 - 1.35
382 Direct scarlet B. lb. 1.50 - 1.75
387 Direct violet B. lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B. lb. .25 - .30
415 Direct orange R. lb. .60 - .70
419 Direct fast red F. lb. .75 - .85
420 Direct brown M. lb. 1.00 - 1.10
448 Benzo purpurin 4B. lb. .40 - .42
495 Benzo purpurin 10B. lb. .40 - .50
502 Direct azurin G. lb. .75 - .80
512 Direct blue RD. lb. .80 - 1.00
518 Direct pure blue 3B. lb. 1.10 - 1.25
520 Direct pure blue. lb. .50 - 1.00
529 Direct fast black, FF. lb. .55 - 1.00
531 Direct black EW. lb. .25 - .50
532 Direct black RX. lb. .35 - .45
592 Direct green B. lb. .75 - .80
594 Direct green G. lb. 1.00 - 1.05
596 Direct brown 3GO. lb. .85 - 1.00
620 Direct yellow R. lb. 1.25 - 1.50
696 Acid violet. lb. 1.00 - 3.00
812 Primulin lb. .50 - .52
814 Direct fast yellow. lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste. lb. .15 - .18
Benzo fast black L. lb. .90 - 1.00
Sulphur black. lb. .20 - .25
Sulphur blue. lb. .40 - 1.00
Sulphur brown. lb. .25 - .50
Sulphur maroon. lb. .40 - —
Sulphur olive. lb. .25 - .54
Sulphur yellow. lb. .30 - .50
Zambesi black. lb. .75 - .80
Dyes, coaltar for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
865 Nigrosin derivatives. lb. .38 - .62
Blue:—
1075 Alizarin astrol base. lb.15.00 - —
1078 Alizarin cyanin green base. lb. 6.00 - —
Brown:—
Brown lb. 1.15 - —
Green:—
1078 Alizarin cyanin green. lb. 5.00 - —
Green lb. .75 - —
Orange:—
24 Sudan I. lb. .75 - —
Red shade. lb. .75 - —
Red:—
75 Sudan II. lb. 1.05 - —
258 Sudan IV. lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base. lb. 6.00 - —
680 Oil violet. lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow. lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB. lb. 1.40 - —
Dyes, coaltar, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin. lb. .38 - .44
Blue:—
860 Indulin. lb. .60 - .70
Brown:—
331 Bismarck brown. lb. 1.50 - —

Dyes, coaltar, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb higher; f.o.b. sellers' works or warehouse):—
Green:—
687 Malachite green base..lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —
Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel 3c. per lb. higher; f.o.b., sellers' works or warehouse):—
Black:—
246 Naphthol blue black S.lb. .50 - —
875 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .40 - .52
832 Bismarck brown R....lb. .50 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echniacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dried, dom., bbls.....lb. .78 - .81
imported .....lb. .72 - .75
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .14 - .15
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.24.00 -28.80
Ephedra, bls.....lb. .12 - .13
Ephedrine, USP hemihydrates, tins, 1,000 ozs..oz. .60 - —
100 ozs.....oz. .70 - —
anhyd., dms., 1,000-oz. lots.oz. .65 - —
100-oz. lots.....oz. .75 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .45 - —
100-oz. lots.....oz. .55 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .43 - —
100-oz. lots.....oz. .53 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .06 - .09
Ergot, USP, cns., dms.....lb. 2.15 - 2.25
Eserine, bots.....oz.50.00 -72.00
Salicylate, bots.....oz.42.00 -45.00
Sulphate, bots.....oz.42.00 -45.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .28 - .28
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .73 - —
Sulphuric, conc., 310-lb. dms.lb. .11 - —
27-lb. dms.....lb. .16 - —
Synth., dms., c.l., work.....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, hospitals, 1-lb. cns..lb. .52 - .53
Ethyl acetate, 85-90%, dms., c.l., frt alld..lb. .06½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt.. alld.....lb. .07½- —
95-98%, dms., c.l., frt. alld.lb. .08¾- —
l.c.l., frt. alld.....lb. .09¾- —
tanks, frt. alld.....lb. .07¾- —
NF, 390-lb. dms.....lb. .09 - —
cns., 55 lbs.....lb. .13 - .14
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Benzoate, bots.....lb. 1.00 - 1.25
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.06 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.50 - 3.75
Crotonate, 55-gal. dms., works, lb. .35 - —
1-gal. cns., works.....lb. 1.00 - —
5 and 10-gal. dms., works, lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Ethylidinaniliin, dms.....lb. .43 - .47½
Eucalyptol, cns., dms.....lb. .80 - .90
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 2.00 - 2.10
Euphorbia, bls.....lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons...ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. .16 - .16½
Indian, bgs.....lb. .09 - .09½
French, bgs.....lb. No stocks
German, large, bgs.....lb. No stocks
Roumanian, bgs.....lb. .11½- .12
Fenugreek, seed, bgs.....lb. .06½- .07
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works....lb. .15 - —
Film scrap, water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal.16.50 -17.00
Oregon, bbls.....gal. 1.10 - 1.25
Fish berries, bgs.....lb. .26 - .27

Dyes—Fullers Earth

Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 4.40 & .10
meal, bgs., f.o.b. Balto.....ton.62.00 - —
6-7% ammon., 3% phosphor. acid, bulk, Chesapeake Bay factories, contracts..... unit-ton. 2.75 & .50
sardines, Japanese, 11½% ammon., bgs., c.i.f. ports..ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, French, black, bgs..lb. .55 - .60
Indian, blonde, bgs.....lb. .11 - .12
Fluorspar, dom., No. 1 ground, bulk, 96-98%, f.o.b. mines.. net ton.29.00 -30.00
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton.20.00 -21.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.20.00 -21.00
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines..ton.15.00 - —
import, bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices

RCI

BECKOSOL

SYNTHETIC RESIN No. 1323

STRONG RESISTANCE TO

Alcohol
Water
SO_2
Surface Abrasion

SPECIFICATIONS

Type . . . Pure Alkyd

Color 1 L-2

Acid No. 3-6

Viscosity . . . . . L-M

Outstanding for its durability is No. 1323 Beckosol Extra Light—one of the complete line of RCI surface coating synthetics.

This synthetic resin, a favorite of formulators, has a particularly strong resistance to alcohol, water, SO_2 and surface abrasion. It is designed expressly for the formulation of high grade nitrocellulose coatings, especially whites and very light tints. No. 1323 provides good gloss and long lustre life, together with lasting adhesion, good weatherproofness and a minimum of after-yellowing.

For more complete information and specifications on No. 1323 Beckosol, write to Reichhold today. Inquiries are welcomed.

REICHHOLD CHEMICALS INCORPORATED

DETROIT MICHIGAN

Furfural—Irish Moss

Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works..lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works..lb. .12½- —
l.c.l., works..lb. .15 - .20
tanks, works..lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .17½- .19½
Fustic, cryst., bgs., No. 1....lb. .30 - —
No. 2..lb. .28 - —
No. 3..lb. .26 - —
extract, bbls., No. 1.....lb. .15 - —
No. 2..lb. .14 - —
No. 3..lb. .11½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .09 Nom.
plantation, cases.....lb. .11½Nom.
cubes, Singapore, cases..lb. .10½Nom.
extract, bbls.....lb. .09½- .12
Gasoline at refinery:—
Bayoune, US motor, tanks, ex tax..gal. .07½- .08
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .14½- —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax...gal. .05⅝- .05⅞
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .07⅜- .06⅞
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .05⅝- .06
natural, 18-55, tanks....gal. .03⅜- .04
28-70, tanks.....gal. .03¼- .03⅜
Gelatine, silver, cs.....lb. .70 - .77
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .62 - .65
grd., bbls., bxs.....lb. .64 - .66
powd., bbls., bxs.....lb. .65 - .67
Geraniol, 92-96%, cns., dms...lb. 1.41 - 2.05
other grades, cns., dms.....lb. 1.25 - 1.85
soap, cns., dms.....lb. .65 - 1.00
Ginger, African, No. 1, bgs....lb. .14¼- .14⅝
Cochin, lemon, nearby, bgs.lb. .13½- .14
Jamaica, bold, bgs.....lb. .21 - .21½
medium, bgs.....lb. .20 - .20½
grinding, bright, bgs.....lb. .19½- .20
Japanese, bgs.....lb. No stocks
Ginseng root, wild Southern, cs. lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. 1.05 - 1.28
5 tons or over, works, 100 lbs. 1.15 - 1.35
less than 5 tons, works, 100 lbs. 1.25 - 1.45
import, bgs.....100 lbs. No price
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .16 Nom.
l.c.l., dlvd.....lb. .16½ Nom.
36/58 bgs., c.l., dlvd.....lb. .15½ Nom.
l.c.l., dlvd.....lb. .16 Nom.
58/82 bgs., c.l., dlvd.....lb. .17 Nom.
l.c.l., dlvd.....lb. .17½ Nom.
82/108 millopose, bgs., c.l., dlvd..lb. .17½ Nom.
l.c.l., dlvd.....lb. .18 Nom.
hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East Middlewest. lb. .18 Nom.
l.c.l., same basis.....lb. .18½ Nom.
60/104, bgs., c.l., same basis, lb. .18½ Nom.
l.c.l., same basis.....lb. .20 Nom.
67/122, bgs., c.l., same basis, lb. .20½ Nom.
l.c.l., same basis.....lb. .21 Nom.
75/222, bgs., c.l., same basis, lb. .23½ Nom.
l.c.l., same basis.....lb. .24½ Nom.
68/251, bgs., c.l., same basis, lb. .23½ Nom.
l.c.l., same basis.....lb. .25½ Nom.
92/283, bgs., c.l., same basis, lb. .25½ Nom.
l.c.l., same basis.....lb. .26½ Nom.
102/315, bgs., c.l., same basis..lb. .26½ Nom.
l.c.l., same basis.....lb. .27 Nom.
118/347, bgs., c.l., same basis..lb. .27 Nom.
125/370, bgs., c.l., same basis..lb. .28 Nom.
l.c.l., same basis.....lb. .29 Nom.
Glue prices for barrel packing, ½c. per lb. higher; grinding charge, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.
Glycerin, CP, cns., l.c.l.....lb. .16½- .17
dms., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .14¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
tanks, dlvd.....lb. .13¾- —
saponification, basis 83%, for industrial users, special colors, dms., returnable, c.l., dlvd..lb. .11½- —
l.c.l., same basis..lb. .12¼- —
tanks .....lb. .11 - —
refiners, dms., returnable, tanks, dlvd..lb. .10 Nom.
soaplye, lusis 80%, dms., returnable, tanks, dlvd..lb. .09 Nom.
Glycine, medicinal, bbls., tins.lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price....oz.35.00 - —
Chloride, acid brown, both..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs....lb. .20 - .21
Goldenseal, root, bls.....lb. 3.00 - 3.25
powd., bxs.....lb. 3.25 - 3.50
Grains of paradise, bgs.....lb. .40 - .41
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works.....lb. .07½- —
l.c.l., works.....lb. .07½- —
Amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
l.c.l., works.....lb. .03¼- —
bbls., c.l., works.....lb. .02¾- —
80% graphite, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house.....lb. .07½ Nom.
white .....lb. .07¾ Nom.
yellow .....lb. .07½ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis..lb. .23½- —
21-25%, bbls., same basis..lb. .24 - —
26-30%, bbls., same basis..lb. .24½- —
31-35%, bbls., same basis..lb. .25½- —
36-40%, bbls., same basis..lb. .27 - —
41-45%, bbls., same basis..lb. .28½- —
46-50%, bbls., same basis..lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¾- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼- —
34-35%, bbls., same basis, lb. .12½- —
36-40%, bbls., same basis, lb. .14½- —
41-45%, bbls., same basis, lb. .16½- —
46-50%, bbls., same basis, lb. .18¾- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18½- —
66-70%, bbls., same basis, lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .28
Tetrahydroxide, bbls.....lb. .65 - —
Paris (see P).
Green, tungstated, brilliant, kgs. lb. 3.75 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .85 - .90
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.55 Nom.
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.28
Aloe (see A).
Ammoniac, tears, cs.....lb. .80 - .85
Arabic, amber sort, cleansed, bgs..lb. .18 - .19
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .21 - .22
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.50 - 2.60
Sumatra, cs.....lb. .23 - .24
Camphor (see C).
Chicle, prime, 55% moisture, bgs., ton lots..lb. .40 - .43
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13¾- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .13½- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis, lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
22, small mixed nubs, bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅞- —
24, No. 1, ivory nubs., bgs., c.l., same basis..lb. .17¼- —
Gum, copal, Congo, 26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10½- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis, lb. .05¼- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05¼- —
black, bold, scraped, bgs., c.l., same basis..lb. .08¾- —
unscraped, b g s., c.l., same basis..lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .06½- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis..lb. .10½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis, lb. .08½- —
dust, bgs., c.l., same basis, lb. .05½- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis, lb. .12¾- —
light, bskts., c.l., same basis..lb. .15¾- —
Loba A, bskts., c.l., same basis..lb. .11¾- —
B, bskts., c.l., same basis, lb. .11¾- —
C, bskts., c.l., same basis, lb. .11¼- —
CNE, bskts., c.l., same basis..lb. .08½- —
D, bskts., c.l., same basis, lb. .12¾- —
DK, bskts., c.l., same basis, lb. .0 - —
dust, bskts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bskts., c.l., same basis..lb. .15¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06 - —
Spirit-soluble, CBB, bskts., same basis..lb. .10¾- —
DBB, bskts., c.l., same basis..lb. .10 - —
MA, bskts., c.l., same basis, lb. .07¾- —
MB, bskts., c.l., same basis, lb. .07¼- —
WS,bskts., c.l., same basis, lb. .10 - —
A/D, cs., c.l., same basis, lb. .13¾- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .08 - —
chips, pale, bskts., c.l., same basis..lb. .11¾- —
pale, small, bskts., c.l., same basis..lb. .09 - —
extra pale, sorts, bskts., c.l., same basis..lb. .10¼- —
nubs, bskts., c.l., same basis..lb. .13¼- —
scraped, bskts., c.l., same basis..lb. .14¾- —
seeds and dust, bskts., c.l., same basis..lb. .06¾- —
Pontianak, bold, genuine bgs., same basis..lb. .15¾- —
mixed, bgs., c.l., same basis, lb. .14¾- —
split, bgs., c.l., same basis, lb. .13¾- —
chips, bgs., c.l., same basis, lb. .10 - —
nubs, bgs., c.l., same basis, lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/C, cs., c.l., same basis..lb. .15¼- —
A/E, cs., c.l., same basis..lb. .12¾- —
B, cs., c.l., same basis...lb. .20¼- —
C, cs., c.l., same basis...lb. .14¾- —
D, cs., c.l., same basis...lb. .13¼- —
dust, cs., c.l., same basis..lb. .07¾- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16¾- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis....lb. .07¼- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07¼- —
seeds, cs., c.l., same basis.lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .08½- —
Ester, ordinary, c.l., dms., contract, dlvd. N. Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .06½- —
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .07 - —
Pacific Coast (water shipt.)..lb. .06½- —
Other points.....lb. .06¾- —
For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ½c. per pound higher.
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, ngs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Gualac (see Gualac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l..lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, tins.....lb. No prices
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.65
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .29 - .35
Opium (see O.).
Rosin (see R).
Sandarac, cks.....lb. .52½- .55
Gum, scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Aleppo, 1 cs....lb. 3.00 - 3.10
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 2.50 - 2.60
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y., frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.18.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., ton.12.00 - —
Harlem River, N. Y..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .48
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .50 - .55
Hematine, cryst., bgs., No. 1..lb. .32 - —
No. 2..lb. .28 - —
No. 3..lb. .26 - —
No. 4..lb. .24 - —
No. 5..lb. .22 - —
paste, bxs, No. 1.....lb. .13½- —
No. 2.....lb. .12½- —
No. 3.....lb. .11¼- —
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .06¼- .07
Henbane leaves, bls.....lb. 2.75 - 3.00
Henna leaves, bls.....lb. .30 - .32
powd., bbls., bxs.....lb. .35 - .37
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., dlvd., Group 3.. gal. .24 - —
l.c.l., 5 or more, dlvd., Group 3..gal. .29 - —
1-5, dlvd., Group 3.....gal. .38 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, 25 oz., bots..oz.17.50 -32.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.70 - 2.75
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .11 - .12
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.18.00 - —
Hydrochloride, bots., 4 oz...oz.18.00 - —
Sulphate, bots, 4 ozs.....oz.18.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.50 - 2.75
Hyoscine hydrobromide, bots.gm. 3.50 - —
Hyoscyamine, bots.....oz.21.25 -27.50
Hydrobromide, bots.....oz.21.25 -27.50
Sulphate, bots.....oz.21.25 -27.50
Hypernic, cryst., bgs., No. 1..lb. .40 - —
No. 2..lb. .32 - —
extract, bbls, No. 1.....lb. .23 - —
No. 2..lb. .18 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse, Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.95
Methyl, alpha, 100%, cns....lb. 4.35 - —
Ipecac root, bgs.....lb. 1.80 - 1.90
powd., bxs.....lb. 1.85 - 1.90
Irish moss, ordinary, bls.....lb. .25 - .28
powd. 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35

Iron acetate, N. F., IV, 100-lb. cbys.	lb.	.15	—
djns., 50 lbs.	lb.	.16	—
liquor, bbls., c.l., dlvd.	lb.	.03	—
l.c.l., dlvd.	lb.	.04	—
Chloride (ferric), tech., anhydr., 390-lb. dms.	100 lbs.	4.65	6.25
150-lb. dms.	100 lbs.	5.00	6.00
cryst., bbls., works, frt. alld. or equald.	lb.	.05	.06
kegs, works, frt. alld. or equald.	lb.	.07½	.08
liquor, cbys., wks., frt. alld. or equald.	lb.	.05	.06
USP X, cryst., bbls.	lb.	.07½	—
kegs	lb.	.08½	—
solut. cbys., works, frt. alld. or equald.	lb.	.06½	.07
djns.	lb.	.07½	—
Citrate, USP VIII, pearls.	lb.	.72	.75
powd., cns.	lb.	.84	.87
scales, cns.	lb.	.77	.80
Glycerophosphate, bbls. bgs., 1,000-lb. lots.	lb.	3.15	—
smaller lots.	lb.	3.25	—
cns., 25 lbs.	lb.	3.37	—
Hypophosphite, bbls., dms.	lb.	1.50	1.60
Iodide, bots.	lb.	3.18	3.32
syrup, cbys.	lb.	.39	.40
bots.	lb.	.53	—
Nitrate, red, tech., dms.	lb.	.03½	.04
Oxalate, powd., kgs.	lb.	.47	.49
cns.	lb.	.52	—
scales, cns.	lb.	.82	.85
Oxide, black, bbls., works.	lb.	.08	—
Phosphate, ferric, pearls, cns., 50 lbs.	lb.	.54	—
25 lbs.	lb.	.57	—
scale, cns., 50 lbs.	lb.	.59	—
25 lbs.	lb.	.62	—
Pyrophosphate, pearls, cns.	lb.	.59	.62
scales, cns.	lb.	.64	.67
Reduced, 90%, cs.	lb.	.65	.75
Sulphate, tech. (see Coppers and ferric sulphate).			
Sulphate, USP, cryst., 275-lb. bbls.	lb.	.04½	—
dms., 100 lbs.	lb.	.06½	—
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.	lb.	.32	—
200-lb. lots, dms.	lb.	.35	—
pearls, 2,000-lb. lots, dms.	lb.	.32	—
200-lb. lots, dms.	lb.	.35	—
scales, 2,000-lb. lots, dms.	lb.	.44	—
200-lb. lots, dms.	lb.	.47	—
Prices on green are the same as for brown.			
Iron-ammonia oxalate, bbls.	lb.	.23½	—
dms., kgs.	lb.	.25½	—
Iron-soda oxalate, bbls.	lb.	.23½	—
dms.	lb.	.25½	.26½
Isobutylacetate, 55-gal. dms., works.	lb.	.0790	—
tanks, works.	lb.	.0690	—
Propionate, dms., works.	lb.	.09½	—
Isopentane, 50-gal. dms., single, works.	gal.	.45	—
10-gal. dms., single, works.	gal.	.55	—
Isophorone, dms., works.	lb.	.25	—
Isopropylamine, dms., works.	lb.	.35	—
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld.	lb.	.12	—
c.l., E. of Rockies, frt. alld.	lb.	.08½	—
l.c.l., E. of Rockies, frt. alld.	lb.	.09	—
tanks, E. of Rockies, frt. alld.	lb.	.07½	—
Alcohol (see Alcohol).			
Isopropyl ether, dms., 5 gals., frt. alld.	gal.	.55	—
55 gals., c.l., E. of Miss., frt. alld.	gal.	.35	—
55 gals., c.l., W. of Miss., frt. alld.	gal.	.39	—
l.c.l., E. of Miss., frt. alld.,	gal.	.44	—
tanks, E. of Miss., frt. alld.,	gal.	.25	—
W. of Miss., frt. alld.,	gal.	.29	—

J

Jaborandi leaves, bls.	lb.	.11	.12
Jalap root, NF, bls.	lb.	.34	.45
powd., bbls., bxs.	lb.	.39	.50
resin, lump, 100-lbs. lots, cns.	lb.	5.85	—
powd., bxs.	lb.	5.90	—
Juniper berries, bgs.	lb.	Nominal	

K

Kamala, tins.	lb.	.30	.32
Kaolin (see China clay).			
Kava kava root, bls.	lb.	.14	.16
Kerosene at refinery:—			
Bayonne, 41-43 w.w., tanks,	gal.	.0520	—
California (f.o.b. San Francisco) truck.	gal.	.11½	—
Gulf ports, p.w., bulk.	gal.	.07½	—
Louisiana - Arkansas, 41-43 w.w., blk.	gal.	.04⅝	.04⅝
Oklahoma-Texas, 41-43 w.w., tanks.	gal.	.04⅝	.04⅝
Pennsylvania, 45 w.w., tanks,	gal.	.05½	.06
Kola nuts, bgs.	lb.	.08	.09

L

Lady slipper root, bls.	lb.	.36	.37
Lanolin (see Adeps lanae)			
Lard, city, tubs.	100 lbs.	10.50	10.75
Middlewestern, trcs.	100 lbs.	10.20	10.30
Neutral, trcs.	100 lbs.	11.00	11.25
Western, choice, trcs.	100 lbs.	10.30	10.40
Compound, trcs.	100 lbs.	14.00	14.25
Larkspur seed, bgs.	lb.	2.10	Nom.
Laurel berries, bls.	lb.	.25	.26
Leaves, Greek, bls.	lb.	.38	.46
Portuguese, bls.	lb.	.45	.47
Lavender flowers, ordinary, bls.	lb.	.60	.65
medium, bls.	lb.	.80	.85
select, bls.	lb.	.90	.95
Lead acetate, white, broken, bbls.,	lb.	.12	—
cryst., bbls.	lb.	.12	—
gran., bbls.	lb.	.12¾	—
powd., bbls.	lb.	.12¾	—
Arsenate, bgs., c.l.	lb.	.09	.09¾
l.c.l., bgs.	lb.	.09½	.10¼
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.			
Blue, basic sulphate, bbls., c.l., dlvd. E.	lb.	.06¾	—
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07	—
l.c.l., dlvd. E.	lb.	.07	—
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07½	—
Carbonate (see Lead, white).			
Chloride, fib. dms., 100 lbs.	lb.	.49	—
Iodide, NF V, powd., 5-lb. bots.	lb.	2.80	—
jars	lb.	2.69	—
Linoleate, pale, precip., dms.,	lb.	.19	—
Metal (see daily quotations in market report).			
Metallic, paste, 200-lb. cont., f.o.b. works.	lb.	.10	—
5-lb. cont., f.o.b. works.	lb.	.22	—
Nitrate, bbls.	lb.	.11	.14
Peroxide, powd., bbls., tech.	lb.	.23	—
Oleate, bbls.	lb.	.18½	.20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.0830	—
Other points.	lb.	.0835	—
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash.	lb.	.09	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.09½	—
Colo., Mont., N. Mex., Wyo.	lb.	.09¼	—
Other points.	lb.	.08¾	—
Lead, red, dry, 95% or less Pb_3O_4, bbls., smaller lots, Ala., etc.	lb.	.09¼	—
Ariz., etc.	lb.	.10	—
Colo., etc.	lb.	.09¾	—
other points.	lb.	.09¼	—
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.	lb.	.0885	—
other points.	lb.	.0860	—
l.c.l., 5 tons, dlvd., Ala., etc.	lb.	.08½	—
Ariz., etc.	lb.	.09¾	—
Colo., etc.	lb.	.07½	—
other points.	lb.	.09	—
smaller lots, dlvd. Ala.	lb.	.09¾	—
Ariz., etc.	lb.	.10¼	—
Colo., etc.	lb.	.10	—
other points.	lb.	.09½	—
95% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.	lb.	.0910	—
other points.	lb.	.0885	—
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.09½	—
Ariz., etc.	lb.	.10	—
Colo., etc.	lb.	.09¾	—
other points.	lb.	.09¼	—
smaller lots, dlvd. Ala., etc.	lb.	.10	—
Ariz., etc.	lb.	.10½	—
Colo., etc.	lb.	.10¼	—
other points.	lb.	.09¾	—
in oil, 95% min., 100-lb. kgs.,	lb.	.12½	—
Resinate, fused, 15%, bbls.	lb.	.09½	—
pale, bbls.	lb.	.11½	—
Silicate, bgs., 5 tons.	lb.	6.59	—
smaller lots.	lb.	7.01	—
Stearate, bbls.	lb.	.25	—
Sulphate (see Lead, white basic sulphate).			
Lead, titinate, bgs. or bbls. c.l.			
basic sulphate, bbls., c.l., (20 tons), works, frt. alld.	lb.	.10¼	—
l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.10½	—
Pac. Cst., ex whse.	lb.	.10½	—
smaller lots, E. frt. alld.	lb.	.10⅝	—
Pac. Cst., ex whse.	lb.	.10⅝	—
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo.	lb.	.07⅜	—
other points.	lb.	.07½	—
l.c.l., dlvd. Ariz., etc.	lb.	.08	—
other points.	lb.	.07⅜	—
basic sulphate, bbls., c.l., dlvd. Ariz., etc.	lb.	.07	—
other points.	lb.	.06¾	—
l.c.l., dlvd. Ariz., etc.	lb.	.07½	—
other points.	lb.	.07	—
in oil, 100-lb. kgs., consumers,	lb.	.12¼	—
dealers	lb.	.11¼	—
painters	lb.	.12¾	—
Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.			
Lecithin, 100%, cns., f.o.b., N. Y. or Chi.	lb.	2.50	—
edible, grade 1, dms., c.l., same basis.	lb.	.45	—
l.c.l., same basis.	lb.	.47½	.65
grades 2 or 3, dom., c.l., same basis.	lb.	.47½	—
l.c.l., same basis.	lb.	.50	.67½
grade 4, dms., c.l., same basis.	lb.	.50	—
l.c.l., same basis.	lb.	.52½	.70

Research's Challenge to Industry (Additional List)

New products, processes and materials developed by industrial research which may prove valuable to your industry.

Hard candies containing flavors such as peppermint, cherry, lemon, etc., often lose a high proportion of flavor value when the extract flavors are added to the hot melt. To prevent this, an edible synthetic oil has been developed which acts as a solvent fixative for such extract flavors. D 154

Finger wave concentrates using Gum Karaya are stabilized by the addition of a special type of ester. This ester keeps the gum from settling to the bottom and caking into a hard mass, difficult to dissolve. It also adds gloss to the hair and helps prevent flaking. D 155

Wax coatings for paper used in packaging of sticky candies and other products can be improved by the addition of a white, odorless, synthetic wax. This wax, in conjunction with paraffin wax, gives increased "slip," so that the candies can easily be released from the paper. D 156

Rust prevention, lubrication and bright annealing of nickel alloy stampings are obtained by the application of a solution of a synthetic wax which gives a water resistant finish. On subsequently annealing the stamping, the wax has a reducing action on the oxides and gives a very bright anneal. D 157

Sulphonated oils in the treatment of furs and leather can be replaced by the use of a new synthetic oil which eliminates rancidity and stickiness. D 158

Both ferrous and non-ferrous surfaces can be protected from tarnish and corrosion by means of a special emulsion which is sprayed cold on to the desired parts to give a thin, transparent, adhesive film. D 159

Yeast and other tablets now contain a new type of edible binder which eliminates the necessity for heating or drying. D 160

Enteric coatings consisting of an edible synthetic base are now replacing shellac often used for this purpose. The base is insoluble in water, but readily emulsifies in contact with alkalies. D 161

Printing ink vehicles giving better spread, slip and antiblocking effects are obtained by substituting for ozokerite a new synthetic wax made from domestic raw materials. D 162

Lake colors which permit soft grinding, giving better length and dispersion, are obtained by the application of a glyceryl compound before coupling bases. D 163

Thermosetting cements for lamp and radio tube bases of the alcoholic phenol formaldehyde type containing a synthetic product, made domestically, have greater thermoplastic effects before heat setting than when shellac is used. D 164

Urea formaldehyde resins are plasticized and lubricated by new water dispersible waxes which are incorporated in the aqueous phase. D 165

Pigment lakes incorporated in the usual vehicles exhibit greater length and absence of "buttering" by the use of a special soaplike material applied in the acid phase in the manufacture of the lakes after coupling. D 166

"Nylon" and "Vinyon" lubricant can readily be made in the cold by use of a synthetic emulsifying agent. The finished oil is readily removed by water, is non-oxidizing, stainless and will not carbonize. D 167

Plastic and hard rubber articles can be polished by the tumbler barrel method by means of a hard, white, synthetic wax which effectively replaces carnauba wax at a much lower cost. D 168

Non-mar enamels are easily made by the incorporation of a solution of a special wax which gives increased "slip" effects. D 169

Textile oils used as worsted lubricants, spun rayon stock lubricants, finish and lustre oils for cotton, rayon and other natural and synthetic yarns can economically be made by means of a new synthetic oil, produced from domestic raw materials. D 170

Lacquers giving excellent water and ink resistance are obtained by the incorporation of a solution of a new type of wax. D 171

Carnauba wax can be replaced as a lubricant for molding thermosetting plastics by a synthetic wax now available in powdered form. D 172

Pharmaceutical tablets, pills, etc., can be polished by means of an edible synthetic wax-like material which effectively replaces imported wax mixtures formerly used. Lower costs and absence of spotting and discoloration are important factors in the use of this material. D 173

An alcohol soluble synthetic wax is now available which will give a clear solution in both alcohol and ethyl acetate to the extent of 10 percent in the cold. D 153

Textile emulsions of oils and waxes stable in the presence of sulphuric acid, aluminum sulphate and other electrolytes, can readily be made by use of a new type of emulsifying agent. D 152

The adhesion of rubber to cloth on vulcanization can be increased by the addition of a chemical material to the raw rubber mix. D 151

Raw rubber sheets can be prevented from sticking together by means of a water dispersion of a synthetic wax-like material. This dispersion can also be used as a lubricant in the cutting of rubber gaskets. D 150

Dye solvent for water insoluble dyes which makes them "soluble" in water. D 149

Cotton and rayon braid, shoe laces, etc., are treated with a combination of waxes to give increased flexibility and high lustre. D 148

A wax which combined with oil soluble dyes serves as a light filter and watch glass holder in the dissection of small organs and organisms. D 147

Warpage of wood can be prevented by the use of a special wax which increases acid and alkali resistance as well as decreasing time of impregnation. D 146

Paper coated with paraffin wax is rendered much more translucent by a pre-treatment with an aqueous solution of a new synthetic chemical. D 145

Lacquer, varnish and enamel plasticizer which is light in color and which will increase the gloss of the dry film. Also has good wetting and dispersing properties for pigments. D 144

Flameproofing agent for textiles, paper, wood, etc. D 143

Porcelain enamel frit binder giving a firmer and more lustrous enamel coating than is obtained with gums. D 142

Abrasive wheels. A temporary binder for abrasive wheels which completely volatilizes on firing. D 141

Lubricating compound for tin stamping which permits the stamping of lacquered metal without fracturing the coating. D 140

Lubricating compound for drawing aluminum. D 139

Cement, concrete and stucco waterproofing agent. D 138

Textile lubricant which is water soluble. D 137

Oil which remains fluid at —50° C without freezing. D 136

Wax which "dissolves" in hot water. D 135

Ointments and salves that are non-staining. D 134

Waterproofing liquid for textiles and paper to give a waterproof material in one operation. D 133

Cork preservative to prevent mould formation. D 132

Binder for vitreous enamel to replace gum arabic for vitreous enamel designs, enabling identifications or trade-marks to be applied with a rubber stamp. D 131

Defoaming agent for casein, glue, gelatin, shellac and similar products. D 130

Information on these materials can be obtained from Glyco Products Co., Inc., 230 King Street, Brooklyn, New York. Please refer to each item by number.

(Advertisement)

Lecithin—Mica

Lecithin, purified, cs., dms., c.l., same basis..lb. .63 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .24 Nom.
powd., bbls., bxs.....lb. .30 - .32
select, bdls., cs.....lb. .90 Nom.
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa.....ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
Hydrated, paper bgs., f.o.b.
Adams, Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 9.00 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Inland, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bgs., f.o.b.
Adams, Mass.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07½- .08½
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis..lb. .08½- .09½
dms., same basis.....lb. .12 - —
Solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd., gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks. gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers, gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter. W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 3.75 - 4.00
Linalyl acetate, 70%, cns.....lb. 2.75 - 3.50
90%, cns.....lb. 3.75 - 4.45
92%, cns.....lb. 4.25 - 5.00
Linden flowers, with leaves, bls.lb. .50 - .55
without leaves, bls.....lb. .55 Nom.
Linseed, meal, bgs.....ton.25.00 - —

Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
Other points.....lb. .0735- —
Litharge, coml., powd., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
Other points.....lb. .07¾- —
smaller lots, dlvd., Ala..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
Other points.....lb. .08¼- —

Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls..lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —

Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05½- —
smaller lots.....lb. .05½- —
smaller lots.....lb. .05¾- —
Ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots..lb. .0410- —
bbls., c.l. (20 tons)..lb. .0410- —
smaller lots.....lb. .0435- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .23 - .25
Seed, bgs.....lb. .35 - .36
Logwood, cryst., bgs., No. 1..lb. .26 - —
No. 2..lb. .24 - —
extract, bbls., No. 1.....lb. .13 - —
No. 2..lb. .12 - —
No. 3..lb. .11½- —
No. 4..lb. .09 - —
solid, bxs., No. 1.....lb. .22 - —
No. 2..lb. .20 - —
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N.E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .47 - .48
Batavia, cs.....lb. .30 - .31
Sinaw, cs.....lb. .37 - .38
West Indian, cs.....lb. .51 - .52
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Other points.....lb. .08 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N. H., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald, with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .32 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., 1 ton..lb. .28 - —
smaller lots.....lb. .29 - —
Sulphate (see Epsom salt).
Magnesium, trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .43 - —
cs., 500-lb. lots.....lb. .43 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .63 - —
Magnesite, cal., dom., bgs...ton.67.00 -75.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -25.00
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½, 4 tons, works.....ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works....ton.74.75 - —
smaller lots, works...ton.79.75 - —
paper bgs., c.l., works...ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Manganese, glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 2.90 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 5½%, bbls..ton. .06¾- .06½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, wks., lb. .10¼- —
single, bbls., works.....lb. .10¾- —
fertilizer, 65%, MnSo., bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.37.00 -38.00
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.50 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .60 - .61
Tunisan, bls.....lb. .33 Nom.
Chilean.....lb. .12 - .12½
Menthol, natural, Chinese, cs..lb. 4.15 - 4.25
Japanese, cs.....lb. 4.15 - 4.25
synthetic, USP, cs.....lb. 3.65 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails. 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib. dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.00 - 4.05
Mercury, iodide, red, NF, 5-lb. bots..lb. 4.51 - —
100-lb. fib. dms.....lb. 4.40 - —
yellow, 5-lb. bots.....lb. 4.61 - —
fib. dms., 100 lbs.....lb. 4.50 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more..lb. 3.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.65 - —
25-lb. fib. dms.....lb. 1.73 - 1.75
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in..pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .65 - .70
Methanol, natural, producer group A, denat., grade tanks...gal. .60 - —
95%, tanks.....gal. .58 - —

Methanol in drums, car lots, is 6c. per gal. higher, frt. alld., east of the Miss. river. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld., Zone 1..gal. .40 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .44 - —
Zone 4.....gal. .44½- —
dms., c.l., Zone 1.....gal. .45½- —
Zone 2.....gal. .47½- —
Zone 3.....gal. .49½- —
Zone 4.....gal. .51½- —
l.c.l., Zone 1.....gal. .48½- —
Zone 2.....gal. .65½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .65½- —

group B, 95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev. Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd. E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd. E. of Miss. R..lb. .07¼- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .20½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .60 - —
dms., c.l., same basis...gal. .66 - —
l.c.l., same basis...gal. .71 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
dms., c.l., Zone 1.....gal. .55½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks, Zone 1..gal. .38½- —
Zone 2.....gal. .40 - —
Zone 3.....gal. .41 - —
dms., c.l., Zone 1.....gal. .46½- —
Zone 2.....gal. .48 - —
Zone 3.....gal. .49 - —
l.c.l., Zone 1.....gal. .50 - —
Zone 2.....gal. .52½- —
Zone 3.....gal. .53½- —
Alcohol (see Methanol).
Methyl, anthranilate, bots.....lb. 2.00 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 150-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .60 - —
Lactate, dms., l.c.l., dlvd..lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .33 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works...lb. .02½- —
100 lbs., works.....lb. .03 - —
refined, bgs., extra and returnable, c.l., wks..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.80.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works...lb. .02½- —
500 lbs., works...lb. .03 - —
roofing, bgs., extra and returnable, c.l., works....ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¾- —
l.c.l., ex whse., or frt. alld. E..lb. .04¾- —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., ex whse., or frt. alld. E..lb. .04½- —
Biotite, bgs., c.l., frt. alld. E..lb. .03½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —

Wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk, powder, skimmed, roller, bbls., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —
spray, bbls., c.l.....lb. .09½- —
l.c.l. .....lb. .10½- —
unskimmed, roller, bbls., c.l., lb. .23 - —
l.c.l. .....lb. .24 - —
spray, bbls., c.l.....lb. .23½- —
l.c.l. .....lb. .24½- —
Millet seed, yellow, bgs.....lb. .0240- .0260
early fortune, bgs.....lb. .02¼- .02¾
hulled, bgs.....lb. .06½- .06¾
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .06½- —
f.o.b. Gulf ports.....gal. .08¼- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
l.c.l., works.....lb. .40 - —
Monochlorobenzene, dms., l.c.l. lb. .07 - —
smaller, cns.....lb. .08 - .09
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Monoethylaniline, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .60 - —
l.c.l., dlvd.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.60 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 2.00 Nom.
Musk, nat., Tonquin, grains, bots..oz.30.00 -35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —
Musk, ketone, cns., 100 lbs. or more..lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.35 - —
xylol, cns., 100 lbs. or more, lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown. lb. .16 - .16½
yellow, bgs.....lb. .15½- .16
Chinese, yellow, bgs.....lb. .08½- .09
Danish, yellow.....lb. .27 - .28
English, yellow, bgs.....lb. .26 - .27
Dutch, yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .12 - .12½
Roumanian, yellow.....lb. .15 - .15½
Myrobalans, J1, bgs., f.a.s...ton. No price
J2, bgs., f.a.s.....ton. No price
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .10 - .10½

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works.....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis.lb. .07½- —
(12 oz.), same basis..pkg. .06¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.46 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, and 40 sec. vis., bbls., wks. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 eps., ¼, ½ sec., bbls., c.l., dry weight, works.....lb. .22 - —
l.c.l., eps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works. lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.90 - —
f.o.b. Chemical, Ill..unit-ton. 1.90 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works. lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works. lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., oz.....lb. No prices
Chinese .....lb. .26 - .28
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18½- .19
110s, bgs., cs.....lb. .16½- .17
small, grinding, bgs.....lb. .16 - .16¼
West Indian, bgs.....lb. .14½- .14¾
Nux vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12

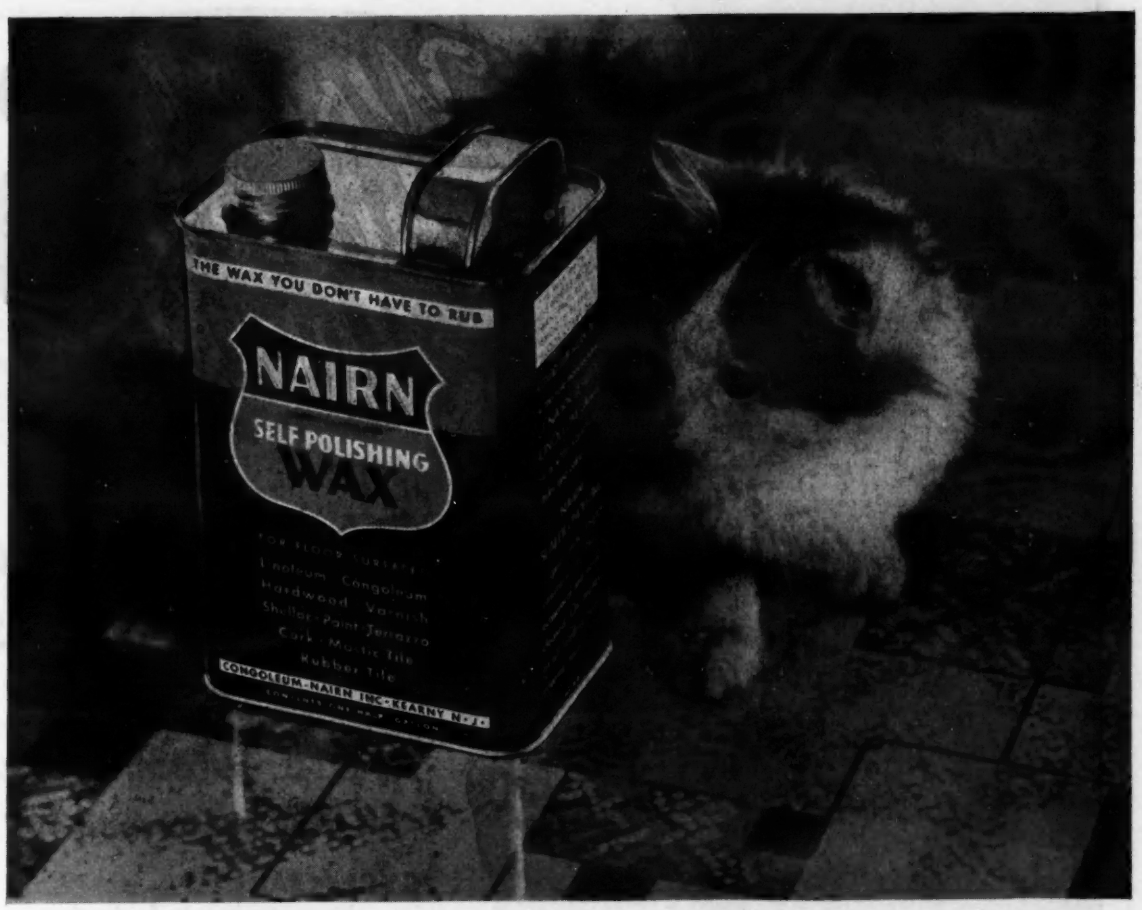
O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .03 - —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12¼- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb No stocks
s.p.a., bots.....lb. 3.50 - 4.00
sweet, true, exp., cns.....lb. 1.70 - 1.90
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 3.50 - 3.75
Angelica, root, bots.....lb. No stocks
seed, bots.....lb.120.00 -140.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .78 - .85
Apricot, kernels, cns.....lb. .40 - .48
Avocado, cns., dms.....lb. .75 - .85
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.25
55-66% phenols, cns.....lb. 1.00 - 1.35
Bergamot, artif., cns.....lb. 2.75 - 9.25
natural, coppers.....lb.20.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .48 - .75
rect'fd., cns.....lb. 1.70 - 1.85
Bois de rose, Brazil, cns....lb. 2.60 - 3.00
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .85 - 1.00
USP IX, cns.....lb. .87 - 1.10
USP X, cns.....lb. 1.10 - 1.25
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .22½- .28
dms. .....lb. .19½- .25
white, cns.....lb. .25 - .29
dms. .....lb. .22 - .26
Cananga, native, cns.....lb. 7.00 - 7.50
rectified, cns.....lb. 7.75 - 8.00
Capsicum (oleoresin), USP VIII, cns..lb. 3.75 - 4.75
Caraway USP, cns.....lb. 9.50 -10.00

Milk Powder—Oil, Castor

Oil, cardamom, bots.....lb.22.00 -28.00
Cassia, USP, cns.....lb. 2.45 - 2.70
Castor, blown, one-way dms., c.l..lb. .12¾- —
l.c.l. .....lb. .13½- —
cold pressed, USP, bbls., c.l. lb. .10¼- —
l.c.l. .....lb. .12 - —
cns. (1-gal.), l.c.l.....lb. .15 - —
dms. (returnable), c.l...lb. .11 - —
l.c.l. .....lb. .11¾- —
(5-gal.), l.c.l.....lb. .13 - —
tanks .....lb. .10¼- —
dehydrated, dms., c.l.....lb. .1520- —
l.c.l. .....lb. .1560- —
tanks .....lb. .14½- —
extracted No. 3, tech., bbls., c.l..lb. .11 - —
l.c.l. .....lb. .11¾- —
dms. (returnable), c.l....lb. .10¾- —
l.c.l. .....lb. .11½- —
tanks .....lb. .10¼- —
sulphonated, 50% (43% fat), dms., c.l..lb. .07½- —
l.c.l. .....lb. .08½- —
75% (63% fat), dms., c.l..lb. .10¼- —
l.c.l. .....lb. .11¾- —
80% (68% fat), dms., c.l..lb. .10½- —
l.c.l. .....lb. .11½- —

Castor oil, USP, and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.



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There's no problem about rubbing the right way or the wrong way when you use Nairn Self-Polishing Wax! For this is the wax you don't have to rub!

Today . . . the self-polishing wax made by Congoleum Nairn, Inc., the world's largest manufacturer of smooth surface floor coverings reaches thousands of users in perfect condition, packed in Crown Cans.

The selection of Crown Cans for the packaging of Nairn Self-Polishing Wax is additional evidence of a well-defined trend . . . a trend that has raised Crown to third place in the industry in four years . . . consult Crown about your packaging needs.

CROWN CAN COMPANY, PHILADELPHIA, PA., *Division of Crown Cork and Seal Company,* Baltimore • St. Louis • Houston • Madison • Orlando • Fort Wayne • Nebraska City.

INDEPENDENT AND HELPFUL

CROWN CAN

Oil, Cedarleaf—Oil, Tar Acid

Oil, cedarleaf.. cs.....lb. .96 - 1.33
dms. .....lb. .93 - 1.30
Cedarwood, Southern, cns....lb. .29 - .32
dms. .....lb. .27 - .30
Celery, bots.....lb.21.50 -30.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood, dms.....lb. .32 Nom.
tanks .....lb. .30¾ Nom.
Cinnamon, bark, bots.....lb. 9.75 -36.00
leaf, dms.....lb. .80 - 2.10
Citronella, Ceylon, cns.....lb. .52 - .54
dms. .....lb. .50 - .52
Java, cns., dms.....lb. .50 - .54
Clove, makers, USP, cns....lb. 1.20 - 1.25
dms. .....lb. 1.15 - 1.20
Coconut, Manila, crude, tanks,
lb. .07 Nom.
edible, 76°, dms., c.l.....lb. .13 Nom.
l.c.l. .....lb. .13¼- .14
tanks .....lb. No prices
Cod, Newf., dms.....gal. .74 - —
Codliver, med., USP, bbls...bbl.80.00 -85.00
Coriander, bots.....lb.14.50 -20.00
Corn, crude, tanks, works...lb. .11¼ Nom.
refd.. bbls.....lb. .14¼ Nom.
Cottonseed, cooking, bbls....lb. .13¼- —
salad, bbls.....lb. .13½- —
Creosote (see C).
Croton, N.F., cns.....lb. 2.35 - 3.00
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb.12.00 - —
Degras (see D).
Oil, dill seed, bots.....lb. 5.35 - 6.00
weed, bots.....lb. 5.60 - 6.00
Dip (see L).
Erigeron, cns.....lb. 1.85 - 2.25
Eucalyptus, cns.....lb. .66 - .70
dms. .....lb. .63 - .67
Fennel, sweet, cns.....lb. 2.00 - 2.35
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns.
lb.12.50 -15.00
Bourbon, cns.....lb.12.50 -15.00
Turkish (see Palmarosa)
Grapefruit, cns.....lb. 1.75 - 2.65
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 4.75 -10.00
Gualac wood, concrete, bots..lb. 3.75 - 4.50
Haarlem, imp., bots.....gross. No prices
Halibut liver, ref.. dms....gal.40.00 - —
Hemlock, cns.....lb. .90 - 1.25
Juniper, berry, cns.....lb.11.00 Nom.
wood, tech., cns.....lb. No stocks
Juniper tar, USP XI, dms...lb. .70 - .85
Lard, common, 1, bbls.....lb. .11¼- —
2, bbls.....lb. .11⅛- —
extra, bbls.....lb. .12 - —
1, bbls.....lb. .11⅝- —
Winter, strained, bbls....lb. .12¼- —
prime, barreling, bbls.....lb. .12⅜- —
prime, lned., bbls.....lb. .12½- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. 6.00 - 6.25
Lavender flower, French, 50%
ester, cns..lb.10.75 -11.00
38-42% ester, cns.....lb.10.00 -10.25
35-38% ester, cns.....lb. No prices
30-32% ester, cns.....lb. 7.25 - 8.00
Oil, lavender, garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 1.95 - 2.15
dms. .....lb. 1.90 - 2.00
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 5.50 - 6.50
Terpeneless, Type 1.....lb.10.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms.,
lb. 1.75 Nom.
Lime, dist., cns.....lb. 5.25 - 6.75
expressed, cns.....lb. 8.75 - 9.25
Terpeneless .....lb.60.00 -65.00
Linaloe, wood, cns.....lb. 2.50 - 2.85
Linseed, raw, dms., c.l.....lb. .1070- .1090
l.c.l., 10 to 69.....lb. .1100- .1120
5 to 9.....lb. .1130- —
less than 5.....lb. .1150- —
tanks .....lb. .1000- .1020
boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots.....lb.85.00 - —
Lubricating, at refinery, ex tax
California, neutrals, pale, 200-600 vis., 2½-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11⅛
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .17 - .22
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks, gal. .09½- .15
200-280 vis., 8, 15-25 pour, tanks..gal. .09½- .12
Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks...gal. .22 - .24½
Oil, lubricating, Pa., cylinder oils, 600-630 flash, tanks..gal. .12½- .15
600 - 650 steam ref'd, tanks..gal. .12 - .14
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .28 - .33
200 vis., 0-25 pour, tanks, gal. .30 - .35
Mace, dist., cns., dms.....lb. 2.30 - 2.65
Mandarin, superior, coppers..lb. 9.00 -10.00
Menhaden, crude, tanks, fut., Balto..gal. .52½ Nom.
ref'd alkali, dms.....lb. .1080- —
kettle-boiled, dms.....lb. .1180- —
light-pressed, dms.....lb. .0980- —
tanks .....lb. .0880- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns.,
lb. 1.45 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls.,
lb. .20¼- —
extra, bbls.....lb. .12 - —
1, bbls.....lb. .11⅜- —
prime, bbls.....lb. .12¼- —
pure, bbls.....lb. .13⅝- —
Neroli, bots.....lb.200.00 -375.00
Nutmeg, dist., cans., dms....lb. 2.30 - 2.65
Officica, liquid, dms.....lb. .20 - .20¼
tanks .....lb. .19 - —
Oleo, 1, bbls.....lb. .11½- —
2, bbls.....lb. .11¼- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 3.25 - 3.50
edible, Calif., dms.....gal. 4.80 - 4.85
imported, dms.....lb. 4.65 - 4.70
foots, dms.....lb. .16¾- .17¼
sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
75% (63% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
Orange, sweet, dist., cs.....lb. 1.40 - —
expressed, Calif., cns.....lb. 3.00 - —
Florida, cns.....lb. 2.75 - 2.85
Messina, USP, coppers...lb. 8.00 Nom.
West Indies, cns.....lb. No stocks
terpeneless .....lb.42.00 -50.00
Origanum, cs.....lb. 1.50 - 2.45
Palm, Niger, dms.....lb. .05⅞ Nom.
Sumatra, shipt., bulk.....lb. .05¾ Nom.
Palmarosa, cns.....lb. 3.20 - 4.00
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots cns.....lb. 4.85 - 8.00
Peanut, crude, nom., tanks, lb. .10½ Nom.
refd., edible, bbls.....lb. .14 Nom.
Pennyroyal, dom., cns.....lb. 2.50 - 2.65
import, cns.....lb. 2.40 - 2.75
Peppermint, natural, cns., dms., lb. 3.40 - 3.50
redist., USP, cns., dms....lb. 3.65 - 4.15
Perilla, dms.....lb. .18½- .19
tanks .....lb. .17½- —
Petitgrain, Paraguay, cns....lb. 1.45 - 1.50
dms. .....lb. 1.40 - 1.45
Pimento berry, cns.....lb. 4.25 - 8.50
leaf, cns.....lb. 2.25 - 2.75
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns...lb. 1.40 - 1.55
Putty, bbls., E. Seguudo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, tax incl., dms.....lb. .13½- .14
tax not incl., tanks.....lb. .09 - —
blown, dms.....lb. .17 - .17½
Red, dist., or saponif., dms., dlvd..lb. .11 - .12
tanks, dlvd.....lb. .10¼- —
Rose, synth., bots.....lb. 3.00 -64.00
natural, coppers.....oz.20.00 -24.00
Rosemary, Spanish, cns.....lb. .88 - 1.03
dms. .....lb. .85 - 1.00
Rosin, 1st rectified, dms...gal. .41 - —
2d rectfd., dms.....gal. .43 - —
3d rectfd., dms.....gal. .47 - —
Rue, bots.....lb. 7.25 - —
Sage, cns.....lb. 7.50 Nom.
Sandalwood, domestic distilled, USP, cns..lb. 4.65 - 5.00
Mysore, cns., case lots....lb. 5.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst..gal. .55 Nom.
refd., alkali, dms.....lb. .1080- —
kettle-boiled, dms.....lb. .1180- —
light-pressed, dms.....lb. .0980- —
tanks .....lb. .0880- —
Sassafras, artif., cns.....lb. .76 - .80
dms. .....lb. .73 - .77
natural, cns., dms.....lb. 1.05 - 1.20
Savin, cns.....lb. No stocks
Savory, cns.....lb. No stocks
Shark liver, crude, dms..million vitamin units. .10 - —
Sesame, crude, coast, tanks..lb. .09¾ Nom.
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 8.50 -10.00
Soybean, dom., crude, dms...lb. .11½- .12
tanks .....lb. .10½ Nom.
refd., dms.....lb. .12 - .12⅝
tanks .....lb. .11½ Nom.
Spearmint, dms.....lb. 2.45 - 2.80
Sperm, bleach, 38°, dms.....lb. .1170- —
45°, dms.....lb. .1100- —
natural, dms.....lb. .1050- —
Spruce, cns., dms.....lb. .95 - 1.25
Sweet, birch, North, cns....lb. 2.75 - 3.50
South, cns.....lb. 1.50 - 1.85
Tall crude, dms., c.l., works, ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 - —
distilled, dms., c.l., dlvd...lb. .05½- .07
l.c.l., dlvd.....lb. .06½- .08¾
tanks, dlvd.....lb. .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .11½- —
tanks .....lb. .11 - —
Tansy, cns.....lb. 3.35 - 4.25
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .26 - —
E ports, c.l.....gal. .25 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports..gal. .35 - —
Tar acid (see T).

Worth Thinking About

THE
8 AROMATIC CHEMICALS
THAT HAVE
Made Their Mark
IN THE SOAP INDUSTRY

CYCLAMAL
The accepted basis for floral perfume

AROSOL
The universal fixative

CITRONAL
The fresh and pure lemon note

FLORANOL
Particularly suited for rose and lavender

ALPHA AMYL CINNAMIC ALDEHYDE

PHENYL ACETALDEHYDE DIMETHYL ACETAL

IONONE COMPLETE

PHENYL ETHYL ALCOHOL

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Protect your source of supply by using the above products manufactured in the U. S. A.

Aromatics Division
GENERAL DRUG COMPANY
644 PACIFIC STREET, BROOKLYN, N. Y.
9 SOUTH CLINTON STREET, CHICAGO 1019 ELLIOTT STREET, W., WINDSOR, ONT.
TRANSPORTATION BUILDING, LOS ANGELES

Oil, teaseed, crude, dms.....lb. .20 - .20½
refined, dms.....lb. .22 - .22½
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 1.40 - 2.25
white, cns.....lb. .95 - 2.50
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.50 - 2.65
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 8.50 - —
Vetiver, Java, bots.....lb. 7.25 - 7.75
Whale, ref., natural, dms...lb. .0950- —
winter, bleach, dms.....lb. .0990- —
Wheat germ, cns., dms.....gal.17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms..gal. .34 - .43
65-75 vis., dms.....gal. .35 - .44
80-90 vis., dms.....gal. .36 - .45
USP, 80-90 vis., dms..gal. .38 - .47
95-105 vis., dms.....gal. .43½- .52½
125-135 vis., dms.....gal. .49 - .58
140-150 vis., dms.....gal. .51 - .60
175-185 vis., dms.....gal. .54½- .63½
200-210 vis., dms.....gal. .57½- .66½
320-330 vis., dms.....gal. .65 - .74
335-345 vis., dms.....gal. .66 - .75
Russian, 80-90 vis., dms...gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.75 - 6.00
South, cns.....lb. 3.50 - 3.85
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.20 - 2.70
Wormwood, cns.....lb. 4.50 - 5.00
Ylang-ylang, Bourb., bots., cns. lb.14.00 -27.00
Manila, bots.....lb.35.00 -45.00
Olivine, aggregate c.l. mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., wks..ton. 9.50 - —
ground, 325 mesh, c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium, gum, USP, 50-lb. lots, cns..lb.11.50 - —
25-lb. lots, cns.....lb.11.75 - —
5-lb. lots, cns.....lb.12.00 - —
1-lb. lots, cns.....lb.12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash..lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¾- —
Other points.....lb. .11¼- —
smaller lots, dlvd., Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .30 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .10 - .12
Haitain, bgs.....lb. .07½- .08
Orris root, Florentine, bgs....lb. 2.00 Nom.
fingers, cs.....lb. No stocks
powd., bbls., bxs.....lb. 2.25 Nom.
Verona, bbls.....lb. 2.00 Nom.
powd., bgs., cns.....lb. 2.25 Nom.
Orthoamylphenol, l.c.l., dms.. works..lb. .15 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloranilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .14 - —
l.c.l., same basis.....lb. .16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - .07
l.c.l., same basis.....lb. .07 - .08
100-lb. tins, same basis.lb. .08 - .09
50-lb. tins, same basis..lb. .09 - .10
tanks, same basis.....lb. .05½- .06½
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol,cns.lb. .75 - —
Orthonitrotoluene dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bgs....lb. .21 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2..lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 2.00 - 2.25
Paprika, Algerian, bgs.....lb. .35 - .37
Bulgarian, bgs.....lb. .27½- .28
Portuguese, fancy, bgs....lb. .34½- .35
good, bgs.....lb. .29 - .31
Spanish, extra fancy, cs.....lb. .42 - .43
medium, cs.....lb. .40 - .41
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms, c.l..lb. .11 - .12
l.c.l. .....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .05¼ Nom.
bbls., c.l., N.Y.....lb. .05¼ Nom.
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .05¼ Nom.
bbls., c.l., N.Y.....lb. .05¼ Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .05 Nom.
fully refd., 123-125 A.m.p., bgs., c.l..lb. .0570- —
128-130 A.m.p., bgs. or loose, c.l..lb. .0570- —
131-133 A.m.p., bgs. or loose, c.l..lb. .0595- —
133-135 A.m.p., bgs. or loose, c.l..lb. .0625- —
135-137 A.m.p., bgs. or loose, c.l..lb. .0650- —
138-140 A.m.p., bgs. or loose, c.l..lb. .0725- —
143-145 A.m.p., bgs. or loose, c.l..lb. .0820- —
151-153 A.m.p., bgs. or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.

Paraffin, match, A.m.p., up to and incl. 110-112 bbls., c.l., lb. .03½- —
Semi-refd., solid, 122-124 A.m.p., bgs..lb. .05 Nom.
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C...lb. .23 - —
100 to 900 lbs. shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11¼- —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroanilin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb. .22 - .25
l.c.l., same basis.....lb. .24 - .26
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd., lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Pentaerythritol tetra acetate, bbls., dlvd..lb. 1.00 - —
less than barrel lot.....lb. 1.50 - —
Pentane, norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .07 - .06½
laboratory grade, dms., c.l., G.3, gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bags..lb. .08 Nom.
Lampong, bags.....lb. .0635- .0660
Tellicherry, bags.....lb. .08 Nom.
white, Java, Muntok, bags..lb. .11½- .12
Muntok, small berry, bags.lb. .10¾- .11¼
red, chillies, Japan, Hontaka.lb. .21 - .22
Mombassa, bgs.....lb. .25 - .25½
Sierre Leone, bgs.....lb. .24 - .24½
Peppermint leaves, dom., bls..lb. .75 - .80
import, bls.....lb. 1.25 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..bl. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
All prices on perchlorsthylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle.

Oil, Teaseed—Petroleum

Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. .85 - .90
Petrolatum, amber, dms.....lb. .03¼- —
l.c.l. .....lb. .04¼- —
amber, extra, dms.....lb. .04 - —
l.c.l. .....lb. .04½- —
white, cream, dms., c.l.....lb. .04½- —
l.c.l. .....lb. .06 - —
lily, dms., c.l.....lb. .05¼- —
l.c.l. .....lb. .06¾- —
snow, dms., c.l.....lb. .06 - —
l.c.l. .....lb. .08 - —
Petroleum, crude, bulk, at wells:—
California .....bbl. .43 - 1.71
Canada .....bbl. 1.08 - 1.70
Central West:—
Illinois .....bbl. 1.37 - —
Ohio .....bbl. 1.05 - 1.10
Michigan .....bbl. 1.17 - 1.44
Indiana .....bbl. 1.22 - —
East Texas.....bbl. 1.25 - —
Gulf Coast.....bbl. 1.06 - 1.48
Kentucky, Tennessee.....bbl. 1.22 - 1.50
Louisiana, Arkansas.....bbl. .94 - 1.36
Mexico .....bbl. No prices
Midcontinent (Oklahoma, Kansas, North Texas).....bbl. .75 - 1.25

Exchange

OIL OF LEMON
U·S·P·

Outsells
ALL OTHER BRANDS COMBINED
3 to 1

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76 NINTH AVENUE, NEW YORK, N. Y.

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Copr., 1940, California Fruit Growers Exchange, Products Department

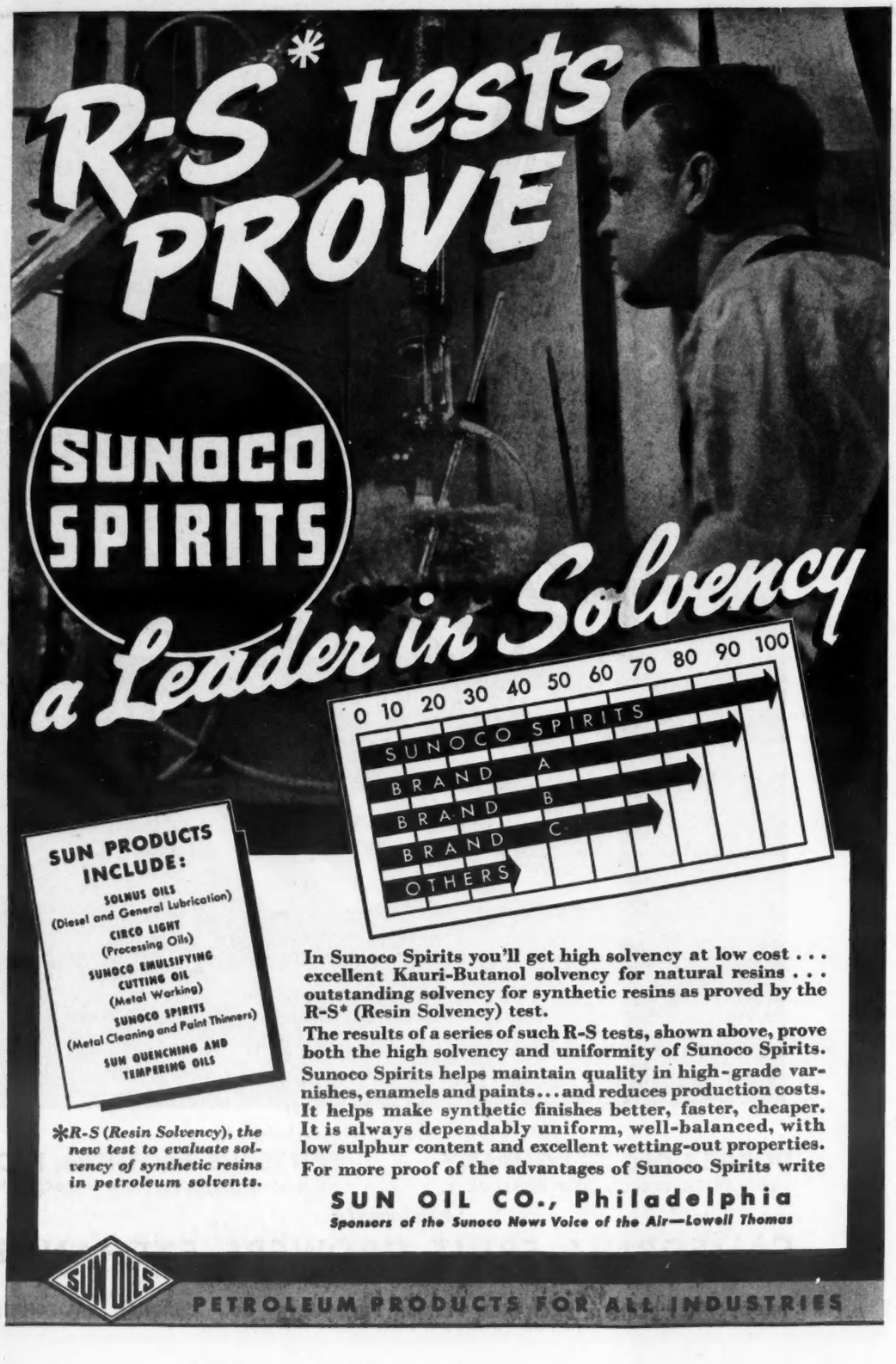
Petroleum—Pot. Bichromate

Petroleum, crude, bulk, at wells, Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.75 - —
Corning .....bbl. 1.31 - —
N. Y. Transit lines....bbl. 2.75 - —
Eureka lines.....bbl. 2.34 - —
S. W. Penn lines.....bbl. 2.40 - —
Lower district in Natio[illegible] Transit lines..bbl. 2.63 - 2.68
Rocky Mountains.....bbl. .96 - 1.20
South Centr[illegible] western Texas..bbl. 1.03 - 1.50
Texas Panhandle, W. [illegible] and N. Mexico.....bbl. .70 - 1.27
Ether, normal, tanks, G.S....gal. .09¾- —
dms., c.l., dlvd.....gal. .24 - —
l.c.l., 5 or more, dlvd...gal. .29 - —
1-5, dlvd.....gal. .33 - —
laboratory grade, dms., c.l., G.S..gal. .14½- —
l.c.l., G.S.....gal. .23½- —
10-gal. lots, G-3.....gal. .50¼- —
Lacquer, diluent, at refinery:—
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willbridge, Ore., Fort Wellels, Wash..gal. .12 - —
East Coast, N. Y., tanks, gal. .10¼- —
N. J., tanks.....gal. .11 - —
Group 3, toluol type, tanks, gal. .07⅞- .08¼
Benzol type, tanks..gal. .07⅞- .08⅝

Petroleum, mineral spirits, at refinery:—
California (f.o.b. San Francisco), 166-252 b.r., tanks, gal. .10¼- —
198-290 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10¼- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East Coast, N. Y., tanks, gal. .09 - —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06½- —
Gulf Coast, tanks.....gal. .06½- —
tankwagon:—
Albany .....gal. .13¼- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13¼- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10 - .11½
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1520
Milwaukee .....gal. .1930- —
Minneapolis-St. Paul..gal. .19½- —
Newark .....gal. .09½- —
New York (200 gal)...gal. .10 - —
Omaha .....gal. .12½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —

Petroleum, naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .13 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10¼- —
Group 3, tanks.....gal. .07¼- —
Gulf Coast (f.o.b. New Orleans), tanks....gal. .06¾- —
tankwagon, Boston, ex tax, gal. .13¼- —
Bridgeport .....gal. .13¼- —
Chicago, inc. 4c. tax...gal. .18 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2080- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10¼- —
New York, ex tax.....gal. .11 - —
Omaha, ex tax.....gal. .1490- .1590
Oklahoma City, ex tax.gal. .10½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15½- —
Syracuse, 150 gals....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21 - —
2, over 90% arom., same basis..gal. .21 - —
3, same basis.....gal. .22 - —
3, tanks, f.o.b. Paulsboro, N. J..gal. .16¼- —
30, same basis.....gal. .17¼- —
40, same basis.....gal. .17¾- —

Petroleum, naphtha, V.M.&P., at refinery:—
California, 46.5, 254 l.b.p., 280 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle.gal. .11 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks....gal. .06½- —
tankwagon, Boston, ex tax, gal. .14½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax..gal. .1910- —
Evansville, Ind., ex tax, gal. .1520-.1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis inc. 1c. tax..gal. .1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco), gal. .24 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07¼- —
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks, gal. .09 - —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06⅝- —
Tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax, gal. .1840- —
Evansville, Ind., ex tax. gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .10 - —
Omaha .....gal. .1360-.1450
Philadelphia, ex tax..gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11½
Phenobarbital, 5-lb. bots.....lb. 4.35 - —
bots. or cns., 100 lbs., spot or contract..lb. 4.00 - —
25-lb. cns.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12½- —
l.c.l., same basis.....lb. .13¼- —
under 1,000 lbs.....lb. .14¼- —
tanks, works.....lb. .11½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - .
bbls., dms., kegs., 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 4.00 - 4.10
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.50 - 2.75
Phenylethylphenyl acetate, bots., lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots, lb. 4.55 - —
hydrochloride, CP, bots, works, lb. 7.10 - —
commercial, kgs, works.....lb. 1.75 - —
Phloroglucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. No prices
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines, 72% min., bulk mines..long ton. 2.50 - —
Tenn., 72% bulk, mines..... long ton. 4.50 - —
78% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .13
Phosphorus, pentoxide, l.c.l., dms, works..lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons.lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .18½- —
Pichi leaves, bgs.....lb. .08 - .09
Pilocarpine hydrochloride, bots., vis..oz. 3.25 - 3.75
Nitrate, bots., vis.....oz. 3.25 - 3.75
Pimento, Jamaican, bgs.....lb. .32 - .33
Mexican (see Allspice, Mexican)
Pinkroot, bls.....lb. .41 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas)
Pitch, pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls..lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .42 - .44
Roumanian, bgs.....lb. .37 - .38
Turkish, bgs.....lb. .32½- .33
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd....lb. .26 - —
kgs., dlvd.....lb. .28 - —
Acetate, USP, bbls., 250 lbs..lb. .28 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs..lb. .13 - .15
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
gran., bbls., 250 lbs.....lb. .15 - —
Bichromate, spots, c.l., works..lb. .09¾- —
6 casks or 10 bbls., or over, works..lb. .09¾- —
5 casks or 9 bbls., or less, works..lb. .10 - —


R-S* tests PROVE
SUNOCO SPIRITS
a Leader in Solvency
0 10 20 30 40 50 60 70 80 90 100
SUNOCO SPIRITS
BRAND A
BRAND B
BRAND C
OTHERS
SUN PRODUCTS INCLUDE:
SOLNUS OILS
(Diesel and General Lubrication)
CIRCO LIGHT
(Processing Oils)
SUNOCO EMULSIFYING CUTTING OIL
(Metal Working)
SUNOCO SPIRITS
(Metal Cleaning and Paint Thinners)
SUN QUENCHING AND TEMPERING OILS
*R-S (Resin Solvency), the new test to evaluate solvency of synthetic resins in petroleum solvents.
In Sunoco Spirits you'll get high solvency at low cost . . . excellent Kauri-Butanol solvency for natural resins . . . outstanding solvency for synthetic resins as proved by the R-S* (Resin Solvency) test.
The results of a series of such R-S tests, shown above, prove both the high solvency and uniformity of Sunoco Spirits.
Sunoco Spirits helps maintain quality in high-grade varnishes, enamels and paints . . . and reduces production costs. It helps make synthetic finishes better, faster, cheaper. It is always dependably uniform, well-balanced, with low sulphur content and excellent wetting-out properties.
For more proof of the advantages of Sunoco Spirits write
SUN OIL CO., Philadelphia
Sponsors of the Sunoco News Voice of the Air—Lowell Thomas
SUN OILS
PETROLEUM PRODUCTS FOR ALL INDUSTRIES

Potash, bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
kgs., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis...lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06½- —
l.c.l. .....lb. .06¾- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09¾- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
50-lb. dms. .....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms.. works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz.14.20 -14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacosulphonate, flb., dms., 100-lb. lots..lb. 1.00 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Kainit, 20% K_2O, bulk, ex vessel, Atlantic or Gulf ports, ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports..unit-ton. .60 - —
f.o.b. Carlsbad, N.M..unit-ton. .20 - .21
import, 30% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .21 Nom.
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports, unit-ton. .56 - .58
min. 60% K_2O, same basis, unit-ton. .53½- —
import, min., 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port—unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above.
Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .19¾- .19¾
USP, dms.....lb. .20 - .20½
Prussiate, red., bbls.....lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs.lb. .07 - —
Sulphate, NF, powd., 350 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech. ,dom., bulk, basis 90%, K_2SO_4, ex-vessel, ports, ton.36.25 - —
imp., min., 90% bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex-vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .25 - .26
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns..lb. 3.00 - —
5-lb. cans.....lb. 3.25 - 3.50
1-lb. bots.....lb. 3.75 - —
Propane, tanks, Group 2.....gal. .02¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
F and I, bbls., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices
O, O—½, O—¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N. Y..ton. No prices
l.c.l., 5-29 tons, ex whse.. ton.. No prices
1,000-10,000 lbs., ex whse. ton. No prices
1 to 1,000 lbs., ex whse..ton. No prices
single bgs., ex whse.ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dm.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.40 - 4.60
(30 to 1), 3 grams pyrethins per 100 cc., dms., dlvd..gal. 6.60 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls..lb. .22 - .23
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .23 - .24
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.00 - —

Pyrophyllite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton.12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis....ton.12.00 - —
Pyroxylin scrap amber cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs.,works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works. lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .05 - —
tanks, works.....lb. .04½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05½- —
pwd., bgs., c.l.....lb. .10 - —
l.c.l., bgs.....lb. .10½- —
Queen of the meadow leaves, bgs..lb. .07½- .09
Root, bgs.....lb. .10
Quercitron, crystals, bgs.....lb. .24 - —
extract, bgs, No. 1.....lb. .09 - —
No. 2.....lb. .08½- —
No. 3.....lb. .08 - —
solid, bxs.....lb. .17 - —
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y...flask.186.00 -188.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.250.00 - —
ex store.....flask.252.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 5½c. per oz; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .89 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns...oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns...oz. .67 - —
Sulphocarbolate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .68 -

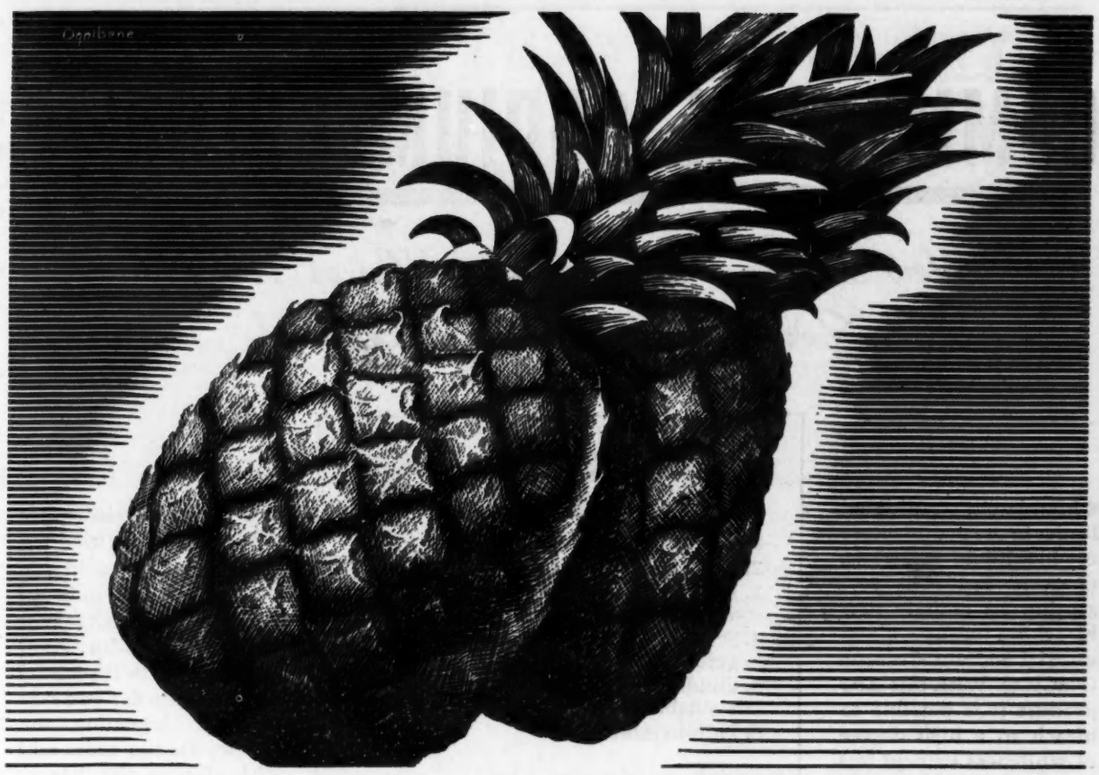
Potash Bromide—Red, Alizarin

Quinine, valerate, cns.....oz. .99 - —
Tartrate, cns.....oz. 1.05 - —
Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 -
Subject to surcharge of 5½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06¼
Dutch, bgs.....lb. No stocks
Indian, small, recleaned, bgs.lb. .06¼- .06½
medium, recleaned, bags..lb. .07½- .08
Japanese, bxs.....lb. No stocks
Raspberries, dried, bls.....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, alizarin lake prices are ¼c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast (or Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.



Good from the Start

Starting right, with good seed in good soil, is one of the surest ways to get fine results in growing things — and it is the same with manufactured products. Care in the selection of raw materials is essential in every responsible manufacturing organization. Niagara Alkali Company provides assurance of quality by the most scrupulous attention to every detail in the production, testing and handling of the materials it supplies to various industries. Why not give your products the benefit of a good start with Niagara Caustic Soda, Caustic Potash or Carbonate of Potash.

Niagara Alkali Company
60 EAST 42nd STREET, NEW YORK, N. Y.
Affiliated with Electro Bleaching Gas Company, Pioneer Manufacturer of Liquid Chlorine

CAUSTIC SODA
CARBONATE OF POTASH
CAUSTIC POTASH

Red, Cadmium—Silica

Red, cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .20 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis.lb. .85 - —
kgs., ton lots, same basis.lb. .85 - —
smaller lots, same basis.lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis.lb. 1.06 - —
kgs., ton lots, same basis.lb. 1.05 - —
smaller lots, same basis.lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis.lb. .90 - —
kgs., ton lots, same basis.lb. .90 - —
smaller lots, same basis.lb. .95 - —
Selenide, bbls., light, works.lb. 2.30 - —
maroon, works.....lb. 2.80 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Red, eosin toner, bbls.....lb. 1.25 - —
Fire, toner, bbls.....lb. .85 -
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y..lb. .06¾- —
80-85%, bbls., same basis...lb. .07⅛- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs..lb. 2.79 - —
smaller lots.....lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kgs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Red, Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Angeles, Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis, alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04½- —
Toluidin toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0240- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., 6b. dms., 50 lbs. or more..lb. 3.06 -
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .39½- —
smaller lots.....lb. .40 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - —
Rose flowers, pale, bls.....lb. .42 - .45
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .26 - .27
Rosin, gum B, bbls., ex dock.. 100 lbs. 2.33 - —
D, bbls.....100 lbs. 2.47 - —
E, bbls.....100 lbs. 2.47 - —
F, bbls.....100 lbs. 2.47 - —
G, bbls.....100 lbs. 2.47 - —
H, bbls.....100 lbs. 2.48 - —
I, bbls.....100 lbs. 2.50 - —
K, bbls.....100 lbs. 2.53 - —
M, bbls.....100 lbs. 2.59 - —
N, bbls.....100 lbs. 2.77 - —
W. G., bbls.....100 lbs. 2.94 - —
W. W., bbls.....100 lbs. 3.09 - —
X, bbls.....100 lbs. 3.99 - —
wood, F.F., bbls.....100 lbs. 1.70 - 2.15
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines.....ton.37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

COMMERCIAL SODIUM CHLORITE

New Bleach Produces High Whites... With Zero Loss in Tensile Strength!

MATHIESON SODIUM CHLORITE
$NaClO_2$

1. A flaked, semi-crystalline product.
2. Light tan in color.
3. Extremely soluble in water—40% by weight at normal temperatures.
4. Stable up to and including 150 degrees C.
5. Oxidizing power equivalent to 130% available chlorine.
6. Non-hygroscopic.

● Mathieson, traditional leader in the manufacture of bleaching materials, pioneers again in presenting an entirely new bleaching agent—Commercial Sodium Chlorite ($NaClO_2$). With this new product it is possible to bleach to a high degree of whiteness *without loss in tensile strength.*

Under present everyday bleaching methods some loss in tensile strength usually results. The best that can be done is to keep this loss to a minimum while obtaining a satisfactory bleach. But *now* you can use Mathieson Sodium Chlorite which *cannot injure* cellulose fibres no matter how concentrated the bleach solution or how high the temperature of the bleaching operation.

Sodium chlorite, a development of the Mathieson research department, is unique. It is the *only* dry sodium compound containing chlorine available for general bleaching work . . . 130% available chlorine, 30% more than pure chlorine itself. Extremely soluble in water, it is very stable, non-hygroscopic. It bleaches and oxidizes in acid *or* alkaline solutions—is now being used successfully in treating textiles, paper pulp, starch, straw, and other materials.

For example—in paper mills, it is being used for bleaching on the acid side and producing pulp of high quality which is supplanting Scandinavian. In textile mills it permits bleaching on the acid side without degrading the fabric. Textile mills add chlorite to the kiers, eliminating multiple boils and increasing capacity of existing equipment . . . equipment which has become doubly important in times of heavy production such as these.

In all of these applications sodium chlorite is remarkably economical. Because of its unique *selective* action, which enables it to bleach without loss in tensile strength, every pound of sodium chlorite does useful work. Because of its high stability, none is dissipated and wasted in the process. Thus, bleaching with sodium chlorite means not only a better product and increased plant capacity, but more economical production as well.

Drop us a line today for complete information on sodium chlorite. Our technical staff, the men who developed this amazing new product, will be glad to sit down with you and discuss how Mathieson Sodium Chlorite can help you with your bleaching problems.

MATHIESON CHEMICALS
THE MATHIESON ALKALI WORKS (INC.)
60 E. 42ND STREET, NEW YORK, N. Y.

SODIUM CHLORITE PRODUCTS . . . SODA ASH . . . CAUSTIC SODA . . . BICARBONATE OF SODA . . . LIQUID CHLORINE . . . BLEACHING POWDER . . . HTH PRODUCTS . . . AMMONIA, ANHYDROUS and AQUA . . . FUSED ALKALI PRODUCTS . . . SYNTHETIC SALT CAKE . . . DRY ICE . . . CARBONIC GAS

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb.38.00 -39.00
Safrol, cns.....lb. 1.03 - —
dms.....lb. 1.00 - —
Sage, Dalmatian, garden, bls..lb. 1.50 Nom.
stemless, bls.....lb. No stocks
ground, bls.....lb. 1.75 Nom.
Greek, believed afloat, bls....lb. .50 - .52
Spanish, bls.....lb. No stocks
Sago, flour, bgs.....lb. .05½- .06
Salicin, bots., 5 lbs.....lb. 7.00 - —
cns., 25 lbs.....lb. 6.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., flb. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N. Y...ton.14.20 - —
l.c.l., bgs., dlvd. N. Y...ton.16.00 -16.60
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton.18.70 -
l.c.l., dlvd. N. Y.....ton.18.20 -21.30
Saltcake, dom., bulk, works.ton.13.00 Nom.
import, bulk, c.i.f.....ton.16.00 Nom.
Chrome (see Chrome cake)
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 8.60 - 9.00
1-9 tons.....100 lbs. 8.75 - 9.75
less than ton lots..100 lbs. 9.00 -10.00
gran., bbls., 10-20 tons.....100 lbs. 7.60 - —
1-9 tons.....100 lbs. 7.75 - —
less than ton lots..100 lbs. 8.00 - —
powd., bbls., 10-20 tons.....100 lbs. 8.60 - —
1-9 tons.....100 lbs. 8.75 - —
less than ton lots..100 lbs. 9.00 - —
Santonin, cryst., cns.....kilo.150.00 -155.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras bls lb. .32 - .33
Mexican, bls.....lb. .20 - .22
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31⅛- —
kegs, 5,000 lbs., 1 shipm't..lb. .31⅛- —
smaller lots.....lb. .31¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Senna, Tinnevelly, No. 1, bls., lb. .13 - .14
2 bls.....lb. .11 - .13
3 bls.....lb. .09 - .10
powd., bbls., bxs.....lb. .13 - .14
Pods, bls.....lb. .10 - .11
Serpentaria root, bls.....lb. .60 - .65
f.o.b. N.Y...lb. .31 - —
Shellac, bleached, bonedry, bbls. dlvd., Boston.....lb. .32 - —
Chicago.....lb. .32½- —
Pacific Coast.....lb. .34½- —
rfd., bbls., f.o.b. N. Y.....lb. .38 - —
dlvd., Boston.....lb. .38½- —
Chicago.....lb. .38¾- —
Pacific Coast.....lb. .42 - —
Garnet, bgs.....lb. .28 - .29
D.C., V.S.O., or Diamond l. cs. cs..lb. .36 - .37
Superfine, bgs., f.o.b. Boston, N. Y..lb. .27 - .28
dlvd., Chicago.....lb. .27½- .28½
Pacific Coast.....lb. .30 - .31
T. N., bgs., f.o.b. Boston, N. Y..lb. .26 - .27
dlvd., Chicago.....lb. .26½- .27½
Pacific Coast.....lb. .29½- .30
varnish, Metro area orange, 5-lb. cut, bbls..gal. 1.35 - 1.40
4½-lb. cut, bbls.....gal. 1.30 - 1.35
4-lb. cut, bbls.....gal. 1.25 - 1.30
white, 5-lb. cut, bbls.....gal. 1.45 - 1.50
4½-lb. cut, bbls.....gal. 1.40 - 1.45
4-lb. cut, bbls.....gal. 1.35 - 1.40
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works.ton.33.00 - —
smaller lots, works.ton.38.00 - —

Silica, amorph., wet-grd., 96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
med. grd., 95%, 325 mesh, c.l., 2½ tons, works..ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .84¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. .33 - —
1,000 ozs.....oz. .33¾ - —
500 ozs.....oz. .33½- —
50 to 100 ozs.....oz. .33¾- —
Nitrate, vls.....oz. .24 - —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .35 - .40
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .56 - .58
Smalt, black, extra velvet, ctns., lb. .05 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stock
dom., bbls.....lb. .17 - .18
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd., lb. .08¼- .10
flake, gran., powd., 60% dms., c.l., dlvd..lb. .04½- .05
l.c.l., dlvd..lb. .05 - .06
USP, bbls., dlvd.....lb. .06 -
90%, dms., c.l., dlvd.....lb. .06 - .06½
l.c.l., dlvd.....lb. .06¾- .07
Alginate, dms., bbls., works..lb. .39 - .70
Antimoniate, bbls., dlvd.....lb. .14 - .14½
Arsenate, dms., dealers, c.l., works..lb. .07½- —
l.c.l., dms., works.....lb. .08¾- .09¼
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06¼- —
l.c.l., dms., works.....lb. .07 - .07½
white, dms., c.l., dealers, works..lb. .07¼- —
l.c.l., dms., works.....lb. .08 - .08½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. — - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....lb. 2.60 - —
powd., bbls., c.l., works... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., wks., lb. .07¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07½- —
5 cks. or 9 bbls. or less, works..lb. .07¾- —
Bifluoride, bbls., c.l.....lb. .11 - —
10 bbl. lots.....lb. .11½- —
1-9 bbls.....lb. .12 - —
kegs .....lb. .12½- —
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60

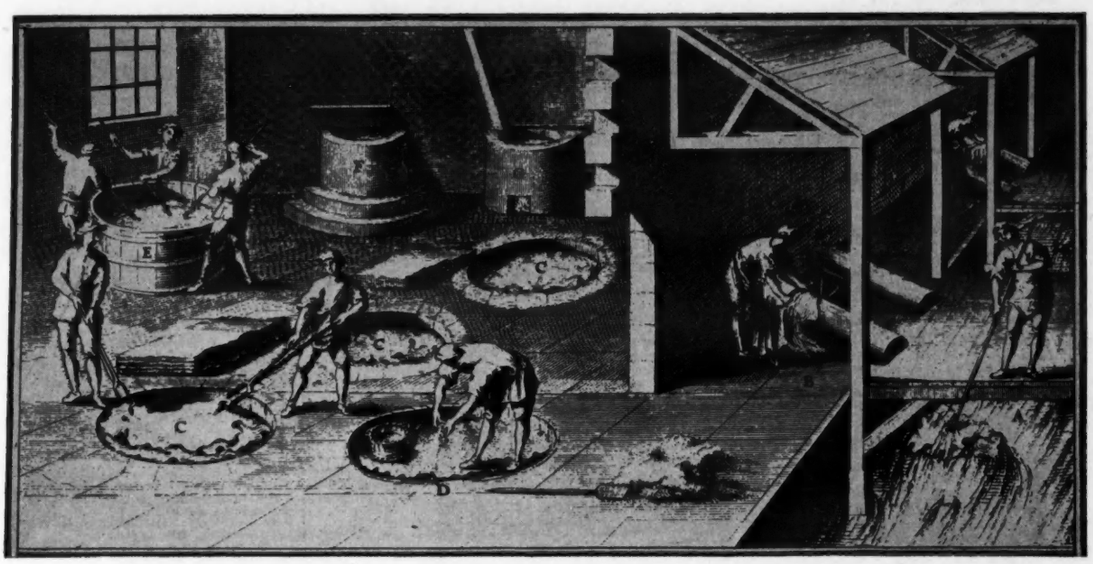
Soda, bisulphite, solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
38 deg., bbls., c.l., works... 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.00
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —

Soda, caustic, solid, 76% ammon., process, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process.
Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¾- —
l.c.l., works.....lb. .06¾- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¾- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09¼- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., dms., 50-lb. lots....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
dms., kgs., 100-lb. lots..lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
imports, 90%, cs.....lb. No prices
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
anhy., dms., dlvd.....lb. .12½- —

Silica—Soda Hydrosulphite

Soda, fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - .08
l.c.l., 10 or over, same basis..lb. .07½- .08½
1-9, same basis.....lb. .08 - .09
95%, bbls., c.l., same basis.lb. .07¼- .08¼
l.c.l., 10 or over, same basis..lb. .07¾- .08¾
1-9, same basis.....lb. .08¼- .09¼
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60

18TH. CENTURY TANNERY



A. Washing
B. Fleshing and unhairing
C. Lime pits
D. Covering with bark
E. Vat for ooze
F. Soaking skins in tan color and stirring
G. Kettle

The above reproduction of an old print shows that the art of tanning was well developed as far back as the 18th century. It was not, however, until 1884, when Chrome Tanning was first introduced, that any fundamental improvement in the process of tanning was accomplished.

Today, leather tanning is one of the largest uses of Bichromate of Soda. Chrome Tanning is both quicker and less expensive than the older vegetable methods. In addition, Chrome tanned leather is superior because the Chrome solution combines with the fiber to produce a tough, pliable wear-resistant leather.

Mutual's Bichromate of Soda and Potash have been used by the leading tanners continuously since the inception of Chrome Tanning.

MUTUAL CHEMICAL CO. OF AMERICA NEW YORK

Mutual Chemical Co of America

270 MADISON AVENUE, NEW YORK

Soda Hydro.—Turpentine

Soda, hydrosulphite, pea, 2,500 to 5,000 lbs., bgs., works, 100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works....100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots.....lb. 2.58 - 2.87
Mandelate, 100-lb. dms.....lb. 2.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equalld., 100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y.100 lbs. 4.65 - —
3-14 dms., same basis...100 lbs. 4.80 - —
1-2 dms., same basis...100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.80 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing points or ports, rail or boat shipment.ton.29.40 - —
200-lb. bgs., same basis.. ton.28.70 - —
bulk, same basis.....ton.27.00 - —
refd., gran., bbls., 10 tons....100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized....lb. .09¾- —
c.l., West Coast, f.o.b. ports...lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., dms., c.l., works, frt. equal'd..lb. 4.50 - —
15 dms., and over, same basis...lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .42 - —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
400 lbs., bgs., works.....lb. .17¾- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.40 - —
l.c.l., works.....100 lbs. 6.35 - —
bbls., c.l., works...100 lbs. 5.60 - —
l.c.l., works.....100 lbs. 6.55 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
bbls., c.l., works...100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.80 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works.....100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works...lb. 2.35 - —
l.c.l., works.....100 lbs. 2.75 - —
bbls., c.l., works...100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
kegs, c.l., works...100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.45 - —
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works.lb. .11¼- .16
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10¼- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized, 100 lbs. 5.30 - —
l.c.l., same basis..100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N.Y.C., 100 lbs. 4.00 - —
1-9 dms.....100 lbs. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52° dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .12 - .15
Stannate, dms.....lb. .34 - .37
Stearate, lump, powd., bbls., works..lb. .19 - .34
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
N.V. VI, exsiccated, powd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
Soda, sulphide, solid, bbls., c.l., works..100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .29
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05¼- —
l.c.l., works.....lb. .06 - —
single dm. lots, works...lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks.gal. tanks, E. of Omaha, frt. alld., gal. .31 - —
Solvent, naphtha, W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. tanks, E. of Omaha, frt. alld..gal. .31 - —
Sorbitol, com'l, dms., c.l., works, lb. .26 - —
ton lots, contracts, works, lb. .14¾- —
smaller lots, works.....lb. .15¾- —
Soybean meal, 41%, bgs.....ton.34.70 - —
protein, bgs., c.l., works....lb. .11½- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 3.65 - 3.95
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01⅝- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. 1.25 - 1.30
White, bls.....lb. .40 - .42
powd., bbls., bxs.....lb. .50 - .52
St. Ignatius beans, bgs.....lb. .45 - .48
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.55 - —
Starch, potato, dom., bgs., c.l..lb. .05½- —
l.c.l. .....lb. .06½- —
Import, bgs.....lb. No prices
Rice, bbls.....lb. .07¼- .08¼
Sweetpotato, bgs.....lb. .06¾ Nom.
bbls.....ton. .07 Nom.
Wheat, thick, boil, bgs.....lb. .06 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .09¾- .10
Stillingia root, bls.....lb. .07¼- .08
Stonecrot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.80 - 1.85
Stramonium leaves, bls.....lb. .45 - .50
Strontium bromide, cns.....lb. .52 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .20 - .22
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots..oz. .40 - —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .18 - —
l.c.l., 10 or over.....lb. .19 - —
less than 10.....lb. .20 - —
Sulfaquanidine, 3.5-gm. bot.doz. 3.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-gram bots..ea. .50 - —
Sulfathiazole, 5-gm., bot.....ea. .42 - —
Sesquicarbonate, 5-gm. bot..ea. .42 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
Sulphur, flowers, USP, bgs., c.l., mine..100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 3.25 - —
bbls., c.l., mine....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Flour, comm'l, bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
Sulphur, refined, light, USP, bbls., c.l., mine.....100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mines..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine...100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works...lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls, works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls, No. 1.....lb. .08 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06¾- .07¼
medium, bgs.....lb. .06 - .06¾
poultry, Argentine.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Baltimore, ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a., bulk, f.o.b. Balto..unit-ton. .68 - —

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Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 95-98%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Aluminum, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills..ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs., ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .07¾- —
special, loose.....lb. .07⅝- —
sulphonated, 35% (24% fat), dms., c.l..lb. .05 - —
l.c.l. .....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06½- —
l.c.l. .....lb. .07½- —
50% (48% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg. 8.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 3.10 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.75 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y. unit-ton. 3.25 & .10
high-grade, bulk, Chicago, unit-ton. 3.85 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments, unit-ton. 2.75 Nom.
Tansy leaves, bls.....lb. .22 - .28
Tapioca flour, bgs.....lb. .05 - .06
Tar acid oil, 15%, dms., c.r., works..gal. .22 - .24
l.c.l., same basis...gal. .24 - .26
25%, dms., c.l., works....gal. .25 - .27½
l.c.l., same basis.....gal. .27 - .29½
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.20 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .44¾- —
less than 5.....lb. .45 - —
USP, powd, bbls.....lb. .50 - —
Terebene, cns.....lb. .90 - .92
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bbls., dms.....lb. .60 - .65
Terpineol, CP, cns.....lb. .30 - —
dms. .....lb. .27 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- — tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, 5-lb. cns.....lb. 3.00 Nom.
Sodiosalicylate, dms.....lb. 2.05 - —
Thiamine hydrochloride, bots., cns. gram. .65 - .90
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .65 - .67
Spanish, bls.....lb. .20 - .21
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).
Tin, chloride (ous), anhyd.....lb. .48½- .49
Crystals, bbls., bgs.....lb. .39½- .40
Metal, Straits.....lb. .52⅜- —
Oxide, bbls.....lb. .55 - .57
Tetrachloride, anhyd., bbls..lb. .28¾- —
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .13½- —
l.c.l., 5 tons, single delivery, lb. .13¾- —
1,000-9,999 lbs.....lb. .14 - —
50-999 lbs.....lb. .14½- —
non-chalking, bgs., c.l. (20 tons), lb. .15½- —
l.c.l., 5 tons, single delivery, lb. .15¾- —
1,000-9,999 lbs.....lb. .16 - —
50-999 lbs.....lb. .16¼- —
under 50 lbs.....lb. .18½- —
bbls., c.l. (20 tons).....lb. .15¾- —
l.c.l., 5 tons, single delivery, lb. .16 - —
1,000-9,999 lbs.....lb. .16¼- —
50-999 lbs.....lb. .16½- —
chalk-resistant, bgs., c.l. (20 tons)..lb. .14 - —
l.c.l., 5 tons, single delivery, lb. .14¼- —
1,000-9,999 lbs.....lb. .14½- —
50-999 lbs.....lb. .14¾- —
under 50 lbs.....lb. .17 - —
bbls., c. l. (20 tons).....lb. .14¼- —
l.c.l., 5 tons, single delivery, lb. .14½- —
1,000-9,999 lbs.....lb. .14¾- —
50-999 lbs.....lb. .15 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .05¾- —
under 50 lbs.....lb. .06½- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —
calcium base, bgs., c.l. (20 tons), lb. .05½- —
l.c.l. .....lb. .05½- —
under 50 lbs.....lb. .06¼- —
bbls., c.l. (20 tons).....lb. .05½- —
l.c.l. .....lb. .06¾- —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05¼- —
l.c.l .....lb. .05½- —
under 50 pounds.....lb. .06¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
l.c.l. .....lb. .05¾- —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs.....lb. .96 - —
Tolu, balsam, cns.....lb. .85 - .95
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, l.c.l., works.....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - .08
l.c.l., same basis.....lb. .07½- .08½
tanks .....lb. .06½- .07½
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08¾- —
Zone 2, dms., c.l., works, frt. alld..lb. .08¼- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld., lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51¼
dms., c.l., dlvd.....lb. .34½- .37½
Tricresylphosphate, tech., dms.lb. .22 - .25
500 lbs., dms.....lb. .22½- .25½
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate, dms.....lb. .35 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08¾- .09¼
Madras, bgs.....lb. .07½- .08
Turpentine, spirits, gums, bbls., c.l., ex dock..gal. .48½- —
l.c.l., 10 ex dock.....gal. .50½- —
5 ex dock.....gal. .52½- —
wood, dest., dist., dms., c.l., dlvd. E. ports..gal. .35 - —
l.c.l. .....gal. .36 - —
tanks, dlvd. E. cities....gal. .30 - —
steam-dist., dms., c.l., dlvd.gal. .42 - —
l.c.l., dlvd.....gal. .45 - —
tanks, dlvd.....gal. .37 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).

Uranium oxide, black, kgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —

Urea, dom., 40% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
l.c.l., 5 tons, f.o.b. Belle, W. Va..ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
5 tons or less, f.o.b. New York, Phila..ton.90.00 - —
import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —

Urea-ammonia liquor, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. V., or Atl., Gulf ports, ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.127.00 - —

Uva ursi leaves, bls.....lb. .16 Nom.

V

Valerian root, Belgian, bls....lb. .95 - 1.00
Eastern, bls.....lb. .35 - .37

Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices

Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —

Vanilla beans, Bourbon, tins..lb.11.00 Nom.
Mexican, tins.....lb.10.50 Nom.
cuts, tins.....lb. 9.50 Nom.
South American, tins.....lb.10.50 Nom.
Tahiti, tins.....lb. 5.25 - 5.50

Oleoresin, bots.....lb.20.00 -20.25

Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —

Venice turpentine, true, cs....lb. 1.75 - 2.00

Verdigris, bbls., kgs.....lb. .22 - .23

Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —

Violet, methyl. toner (see M).

V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree.....lb. .19 - .22

Wattle bark, bgs., f.a.s.....ton.41.00 -43.00
Extract, solid, bgs.....lb .04¼- .04¾
liquid, tanks.....lb. .05 - —
bbls.....lb. .05¾- —

Wax, amorphous, group 3, at refineries: 160-165, amber. lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .26 - —
180-185, amber.....lb. .17½- —
180-185, black.....lb. .16 - —
180-185, white.....lb. .20 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .41 - .43
cake, cs.....lb. .42 - .44
discs, cs.....lb. .43 - .45
yellow, crude, Africa, 10-bg. lots..lb. .30 Nom.
1 bg.....lb. .30½ Nom.
Brazil, bgs.....lb. .35 - .36
refd., slabs, cs., lbs.....lb. .39 - .40

Candelilla, bgs., 1 ton.....lb. .22 - .22½
jobbing, lots.....lb. .22½- .23

Carnauba, No. 3, chalky, bgs., 1 ton..lb. .62 - .63
5 bgs.....lb. .62½- .63½
1 bg.....lb. .63 - .64
N. C., 2, bgs., 1 ton.....lb. .68 - .69
N. C., 3, bgs., 1 ton.....lb. .64 - .65
5 bgs.....lb. .64½- .65½
1 bg.....lb. .65 - .66
refined, bgs.....lb. .69 - .70
yellow, No. 1, bgs., ton....lb. .73 - .74
5 bgs.....lb. .73½- .74½
1 bg.....lb. .74 - .75
No. 2, bgs.....lb. .72 - .73

Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., 1 ton..lb. .12 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .15 - .15½

Japan, cs.....lb. .18 - .18½
Montan, bgs., c.l.....lb No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices

Ouricury, refined, bgs.....lb. .58 - .59

Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices

Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26

White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08

White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —

Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works.ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
Whiting, chalk, wet-grnd., blp. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp. bgs., c.l., works, ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air-floated, 99.75%, 250 mesh, paper bgs., c.l., ton.10.10 - —
200 mesh, paper bgs., c.l., same basis..ton. 9.35 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 7.00 - —
gilders, bgs. (extra), c.l., works, ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works..ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works...ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .18 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. .70 - .75

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .39 - —
8°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —

Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.45 - 1.50

Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .52 - .55
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .18 Nom.
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis.lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., dlvd., No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
Chrome yellow CP prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.57 - —
smaller lots.....lb. 2.59 - —
Ocher, Amer., golden A, bbls., works..lb. .06½- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05½- —
yellow A, bbls., works...lb. .02½- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks, c.l., ex dock, Balto., Boston, N. Orleans for import, lb. .02475 Nom.
Yellow, ocher, French, all shades, New York (f.o.b.)..lb. .02¾ Nom.
Philadelphia, for import..lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto., Boston, N. Orleans..lb. .02375 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh.....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, San Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02¾ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y., lb. .04¼- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06¼- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .17½- —
open order.....lb. .17½- —
Navy specifications type, contracts..lb. .17½- —
open order.....lb. .17½- —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, viz..oz. 3.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd.lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs.....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran, dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works...100 lbs. 5.75 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
solut., 50%, dms., c.l., works, lb. .0290- —
l.c.l., works.....lb. .04 - .04¼
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - .35
Dust, bbls., c.l., dlvd.....lb. .09½- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.54 - —
jars.....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
leaded, 5%, bgs., c.l., dlvd. lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
35%, bgs., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst..lb. .06½- —
50%, bgs., c.l., dlvd., except Pac. cst..lb. .06 - —
Pac. cst..lb. .0606- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst..lb. .06½- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
green seal, bgs., c.l., dlvd., lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst..lb. .06½- —
bbls., c.l., dlvd.....lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
red seal, bgs., c.l., dlvd....lb. .07¾- —
lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —

Unicorn Root—Zirconium

Zinc, oxide, French process, white seal, bgs., c.l., dlvd.lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
bbls., c.l., dlvd..lb. .09 - —
l.c.l., dlvd., except Pac. cst..lb. .09½- —
ex whse., Pac. cst..lb. .09¼- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse., lb. No Prices
white seal, cks., ex whse..lb. No prices
USP, l.c.l., 50-lb. ctns., 50-lb. dms..lb. .10 Nom.
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., one ton..lb. .27 - —
smaller lots.....lb. .28 - —
USP, bbls.....lb. .25 - .27
Sulphate, cryst., bgs., c.l., 100 lbs. 3.40 - —
l.c.l.....100 lbs. 4.15 - —
bbls., c.l.....100 lbs. 3.65 - —
l.c.l.....100 lbs. 4.40 - —
flake, bgs., c.l.....100 lbs. 3.80 - —
l.c.l.....100 lbs. 4.55 - —
bbls., c.l.....100 lbs. 4.05 - —
l.c.l.....100 lbs. 4.50 - —
powd., bgs., c.l.....100 lbs. 5.35 - —
l.c.l.....100 lbs. 6.10 - —
bbls., c.l.....100 lbs. 5.60 - —
l.c.l.....100 lbs. 6.35 - —
Sulphide, bgs., c.l., (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08 - —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd..lb. .08 - —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08¼- —
barium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05¼- —
calcium pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
magnesium pigment, bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05¾- —
Sulphocarbolate, NF, bbls., dms..lb. .24 - .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.35 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the June 2 issue; the next printing will be in the July 7 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 37.

N.Y. Purchasing Agents Re-elect Most Officers

—Continued from page 5

of the Lathrop Paper Company.

Treasurer, E. B. Fielis, of the New York & Queens Electric Light & Power Company (re-elected).

Members of executive committee, three-year terms, R. Park Lamborn, of the Kennecott Copper Corporation, and James L. Crosbie, of the Dexter Folder Company (re-elected); one-year term, Russell H. Anderson, of the Eclipse Aviation Division of Bendix Aviation Corporation.

Members of the executive committee remaining in office are Norman O. Aeby, of the Johns-Manville Corporation; William C. Iooss, of the American Molasses Company; and Harold A. Johnson of the United States Rubber Company. J. H. Leonard, 120 Broadway, this city, is executive secretary of the association.

The annual meeting followed dinner in the Builders Exchange Club. It was addressed by Sir Louis Beale, member of the British Purchasing Commission, who, speaking on the subject "Weapons of Freedom," analytically compared the verbal, material, and spiritual weapons and resources of the totalitarian nations and the allied democracies, and from his sound evaluation predicted victory for the latter under a favorable time factor.

Treasurer Fielis presented a gratifying financial report. Harold K. LaRowe, representative in the directorate of the National Association of Purchasing Agents, reported on the recent national convention and various activities of the association.

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Metal Salts Inventory Control

The chemical industry is experiencing difficulty in adjusting itself to the provisions of OPM general metals order No. 1, designed to restrict inventory accumulation of sixteen metals considered important materials in the national defense program. The difficulty lies not so much in what the order may require as in finding out just what it does require.

Confusion and uncertainty, reversals and contradictions are characteristic of policies and activities under the national defense program. And they are but little, if any, less characteristic of the information with which OPM and other defense units are provided. To sense this one needs but read the daily newspapers' contradictory quotations of apparent authorities with reference to supplies of many important materials. Another reason for the vagueness and worse of official defense rulings is that no precedent apparently is acceptable in actions which may be deemed necessary.

With respect to the order against inventory hoarding of metals there is official, as well as industrial, confusion over the status of salts of the metals involved. The OPM inventory control chief has been understood to insist that the metals control includes all salts. OPM priorities division says that metallic salts or compounds which are used chemically are finished products and not subject to the inventory-control rule. The same is said of fabrications of the proscribed metals and solders, bearing metals, and the like. But, the OPM office holds that the rule does apply to salts or compounds used in making alloys, because these then are considered raw materials in metallurgy.

The priorities division is hazy about just when a metallic salt or compound belongs in one category and when in the other. There still are puzzles about salts used in electroplating, case-hardening, enameling, and other metallurgical finishing. This is a part of the general puzzle of where defense requirements begin and civilian needs end. The need for that presidentally suggested industrial coordinator daily becomes more imperative.

Priorities and Medicines

A new headache has been added to the already multitudinous effects of the defense priority process through the placing on the critical list of all chemicals for medicinal use. The criterion of this classification is a vague one. It is not stipulated that the critical status depends on the purpose for which a chemical is customarily sold or purchased. A medicinal chemical, in the eyes of the priority officials, is any chemical that the Army and Navy Munitions Board wants for chemical use, and the classification is applicable at any time when such may be the board's desire.

At its annual convention several weeks ago the American Drug Manufacturers Association expressed a desire that the needs of drug manufacturing be given due recognition in the establishing of priorities for various materials. There is, apparently, no connection between the association's request for priority recognition and the placing of medicinal chemicals on the critical list. These materials have not been put under any priority control. Their inclusion in the critical list does not yet give drug manufacturers preferential status with respect to their distribution. The only preference is for the Army and Navy Munitions Board, which, of course, can thereby take care of the needs of manufacturers making medicines for its requirements.

The critical listing of medicinal chemicals adds to the puzzle posed by the food, drug, and cosmetic act with respect to the statutory status of chemicals used both medicinally and technically. In that instance ordinary commerce in a chemical determines its status. Under the critical list the determination rests on special commerce with the Army and Navy Munitions Board. The Food and Drug Administration has authority to interpret the indications of a chemical's status under the food, drug, and cosmetic act; it has no authority in connection with the priorities critical list.

Whether this dividing of authority between the administration and the munitions board will further complicate the puzzle cannot now be said. It is clear, however, that drug manufacturers are placed between the devil of frowned-upon inventory hoarding and the deep sea of military commandeering of the available supply of an important medicinal chemical. It is fortunate that the Army and Navy Munitions Board has constantly manifested an appreciative concern for civilian medicinal needs. But, none can say when an emergency may necessitate a different attitude.

—O-P-D—

Methanol Is But Typical

"What's the matter with those wood alcohol fellows? Now that there isn't enough synthetic methanol to go 'round, why don't they start making the stuff?" That sort of comment on the methanol stringency is coming to notice as the exigencies of worldwide warring make specialized technical developments look sort of out of place. The wood alcohol still looms up out of obsolesence — and the horse and buggy may help out on "gasless" Sundays.

But, wood alcohol plants cannot be rescued from the rust in a day. And the shortage of methanol is a serious matter. To save essential metals, industry was urged to adopt plastics, those wonderful every-way useful contributions of technical progress, to the manufacture of juke boxes, vacuum sweepers, automobile bodies, razor frames, and articles of a hundred other uses. Plastics of several popular and proven types require formaldehyde in their making: methanol is a needed source material in the manufacture of formaldehyde. And the martial needs of defense require that synthetic methanol plants be turned to the production of ammonia which is needed for munitions in larger volume than is methanol in the composition of certain explosives.

Alkyd resins go into plastics too. In their making the phthalic molecule is important—so is it in preferred plasticizers for certain explosives. And the materials for plastics are pinched off at another place. Also the formulation of satisfactory substitutes for tung-oil varnishes is handicapped. Other plastics come in for attention in the undertaking to conserve essential metals for munitions. In all too short a time these plastics also run into a stringency of materials or bring wailing in circles where one or another or several of their many organic constituents are needed as materials in the production of far different articles. There is a tying-up of materials and of needs which but few had any reason to suspect and little reason to know under normal conditions of the wondrous progress of technology. There is something anachronistic about the need that he who desires a methyl compound must supply the manufacturer with methanol.

Now it's a question practically of survival. Shall methanol go to use as an automobile antifreeze or be led via formaldehyde and a phenol into the making of gadgets for use and decoration? There comes the necessity of choosing among the many uses of hundreds of materials so that these essentials may be utilized to the best advantage of the national defense and no less that of the national industrial welfare. Men are at work in productive operations by no means essential to the proper existence of the nation—but to forbid such use of methanol, or whatever, would jeopardize their existence. There must be some sort of national industrial readjustment in respect of a hundred materials, of which methanol is but acutely typical, and in respect of a hundred activities also, of which the making of plastic ornaments is one of the least important.

—O-P-D—

Looking for Substitutes

The needs of defense production must have preference—and these needs are increasing daily. The processes of defense production must be given all possible assistance to avoid obstructive readjustments—they must be given all possible supplies of the materials with which they are familiar. So, the processes of production for civilian use first feel the need to find substitutes for materials not available in amounts sufficient for both classes of operations.

In this necessitated search it is timely and helpful to bring to manufacturers' attention the informative data on substitute and replacement materials which have been presented for years in Oil, Paint and Drug Reporter under the departmental headings:—"Industrial Uses of Chemicals and Related Materials" and "What You Can Use." There are thousands of suggestions in those data which are adaptable to today's needs.

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Heavy Chemicals

Upward Revisions Made in Various Grades of Acetic Acid —Anhydrous Soda Sulphate and Glauber's Salt Advanced —Iron-Free Alumina Sulphate Higher—Salt Firmer

An upward trend in third quarter contract prices became more apparent in the market for heavy chemicals last week. A sharp advance in prices for various grades of acetic acid was the most outstanding. Iron-free alumina sulphate, glauber's salt, soda sulphate anhydrous, zinc sulphate and salt were advanced. While no actual price change occurred in soda hydrosulphite, one producer stipulated the price would be subject to a two cent ceiling in order to protect against possible rise in raw material costs.

A heavy influx of orders reached the market from all consuming channels. Sellers were forced to pursue a strict policy of allocating business to conform with original contract agreements. Practically all basic materials were in an extremely tight position, and delay in making shipments became more pronounced. Obtaining supplies in the spot market was a problem, with so little offered that the few offerings were snapped up at almost any price. Many sellers had nothing to offer for export.

A great deal of confusion surrounded the ruling regarding inventory report for metallic salts or compounds. As far as could be learned materials which are used chemically are considered finished products and are not subject to the same requirements as salts or compounds which are used in the making of alloys, etc., which are considered raw materials and as such subject to inventory control.

Alums.—Market strong, prices firm and shipments steady.

Alumina Sulphate.—One producer advanced iron-free 25c., making bags, car lots, $1.85 per 100 pounds; less car lots, $2.10 per 100 pounds. No change in commercial Demand brisk.

Ammonia, Anhydrous.—Market tight, selling restricted. Prices firm.

Ammonia, Aqua.—Active inquiry, sellers pressed to make shipments. Prices firm.

Ammonia Bicarbonate.—Deliveries routine. Prices without change.

Ammonia Bifluoride.—Supplies limited. Prices firm at recently established levels.

Ammonia Nitrate.—Defense needs absorbing available quantities. Prices remain firm.

Ammonia Persulphate.—Market was firm, and buying steady.

Price Changes

Advanced

Acetic acid, 95c. to $1.03 per 100 lbs.
Alumina Sulphate, iron-free, 25c. per 100 lbs.
Glauber's salt, 10c. per 100 lbs.
Salt, rock, 50c. per ton.
vacuum-common, l.c.l., $1.60 per ton
Soda sulphate, anhy., 25c. per 100 lbs.
Zinc sulphate, 40c. to 65c. per 100 lbs.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
161.9	159.4	158.2	150.8

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
102.2	101.6	101.6	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Copper Sulphate

An extremely tight situation prevailed in the market for copper sulphate. Large quantities were going into defense industry directly and indirectly, while agricultural demands were heavy. An increasing use of this material is found in the refining of high octane gasoline as a catalyst. The shortage in electrolytic copper has had some effect on expanding production. However, one of the largest producers announced plans recently to improve existing production facilities by installing equipment to produce copper sulphate by an entirely new revolutionary method. Production during 1940 amounted to about 89,000,000 pounds. No official priority has been issued, but indirectly defense preference has been given. A license is required for export. In recent weeks sellers have withdrawn from the market in view of the domestic situation. In the year 1940 a total of 55,480,646 pounds was exported, principally to South and Central America. Because of the relative stability in the copper market, prices did not fluctuate a great deal since the war. At the end of August, 1939, price for 99 percent crystals in car lots stood at $4.25 per 100 pounds, compared with current quotation of $4.75 for 100 pounds. Supplies in the outside market were negligible, while bids ran as high as 7c. per pound.

Ammonia Silicofluoride.—Small spot stocks, shipments lagging. Prices nominal.

Ammonia Sulphide.—Prices firm, with business active.

Ammoniac, Sal.—Interest well sustained. No change in the prices.

Antimony Metal.—Transactions routine. Domestic spot price unchanged.

Antimony Oxide.—Active inquiry. Prices lack any change.

Arsenic.—Movement of white held steady. Market in firm position.

Barium Carbonate.—Some delay in shipments, demand good. Prices firm.

Barium Chloride.—Good movement against contracts. Prices rule firm.

Barium Hydrate.—Market displays firmness, while business was moderately active.

Barium Nitrate.—Brisk inquiry. Pricewise the market was firm.

Bleaching Powder.—Market tightening, selling limited to regular channels. Prices firm.

Calcium Acetate.—As announced preceding period, price advanced to $3 per 100 pounds. Supplies limited.

Calcium Carbide.—Demand steady. Prices unchanged and firm.

Calcium Chloride.—Buying well maintained. Market underwent no change.

Carbon Tetrachloride.—Market was short, selling restricted and deliveries lagging. Prices remain firm.

Chlorine.—Inquiries exceed supplies, and producers pressed for shipments. Prices rule firm.

Chlorine.—Inquiries exceed supplies, and producers pressed for shipments. Prices rule firm.

Cobalt Oxide.—Selling restricted. Stocks limited, and prices firm.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Copper.—Prices hold unchanged. Producers awaiting allocation of pool metal, with shipments delayed.

Copper Salts.—Prices firm. Most business on a pro rated basis.

Copperas.—Market tight. Selling limited. Prices remain firm.

Fluorspar.—One factor quoting No. 1 ground, 95-98 pc., bulk, $30 per ton; No. 2 lump and washed gravel, $21 per ton. Demand steady.

Glauber's Salt.—One producer advanced prices 10c. making bags car lots $1.05 per 100 pounds and less car lots $1.15. Market tight.

Lead Acetate.—Quotations firm at levels established recently. Buying steady.

Lime.—A good movement continued in evidence and prices were steady to firm.

Magnesite.—Heavy inquiry, shipments steady and market strong.

Manganese Dioxide.—Prices rule firm. Selling confined to regular contract accounts.

Molybdenum Metal Powder.—Defense needs taking most supplies. Prices firm.

Nickel Salts.—Acute shortage continues. Deliveries far behind. Prices nominal.

Phosphorus.—Shipments of red limited; demand for yellow steady. Prices firm.

Potash Carbonate. — Market tight. Selling restricted to regular channels. Prices firm.

Potash, Caustic.—Demand steady. Market in tight position. Prices firm.

Potash Cyanide.—Market firm. Good inquiry.

Potash Metabisulphite. — Prices nominal. Spot stocks small; selling limited.

Potash Permanganate. — Business limited to regular accounts for normal needs. Little or no material obtainable in spot market. Prices firm.

Salt.—Prices for rock salt advanced 50c. to basis of $14.20 per ton for car lots delivered N. Y.; less car lots, same basis, $16 to $16.60 per ton; vacuum common, less car lots, up $1.60, ranging from $18.20 to $21.30 per ton, delivered N. Y.

Saltpeter. — Price trend upward, market strong, and business steady.

Soda Acetate.—Market tight; shipments steady. Prices firm.

Soda Ash.—Broad movement continues against contracts. Prices without change.

Soda Bicarbonate.—Steady inquiry. Prices failed to change.

Soda Bifluoride. — Market strong. Selling restricted.

Soda, Caustic.—Active inquiry, with shipments steady. Prices underwent no alteration.

Soda Chlorate. — Steady movement against contracts. Prices firm.

Soda Cyanide.—Demand was active. Prices unchanged and firm.

Soda Fluoride.—Market firm; no further price rise. Good inquiry.

Soda Hydrosulphite.—One producer making contracts with right to advance price as much as 2c. per pound in event raw material costs increase. Demand steady.

Soda Nitrite.—Good demand. Price-wise the market displayed firmness.

Soda Phosphate.—Market firm. Demand steady from regular channels.

Soda Pyrophosphate.—A tighter situation prevalent. Prices remain firm.

Soda Silicate. — Buying continues broad, and market in strong position.

Soda Silicofluoride. — Spot stocks negligible, outside offerings range from 12c. to 15c. per pound.

Soda Stannate. — Demand steady. Prices held firm, ranging from 34c. to 37c. per pound.

Soda Sulphate, Anhydrous. — One producer advanced price 25c., making bags, car lots, $1.70 per 100 pounds, and less car lots ranged from $1.95 to $2.20 per 100 pounds. Market tight.

Soda Sulphide. — Active interest. Prices unchanged and firm.

Soda Sulphite.—Withdrawals steady and market strong.

Sulphur, Refined.—Brisk movement. Prices firm.

Tin Salts.—Prices rule firm. Tin crystals, 39½c. to 40c. per pound; anhydrous tetrachloride of tin, 28¼c. per pound. Anhydrous stannous chloride, 48½c. to 49c. per pound, and tin oxide, 55c. to 57c. per pound. Straits metal quoted at 52¾c. per pound. Steady interest.

Zinc Sulphate. — Late preceding period prices advanced 40c. for crystals at $3.40 per 100 pounds in bags,

—Continued on page 30

Crowley & Bennett Enter Consultant Field

Clyde A. Crowley and Harry Bennett have formed the firm of Crowley & Bennett, to act as technical

C. A. Crowley H. Bennett

consultants. The Chicago headquarters for the firm is in 6803 North Clark street, and the Eastern branch will be in 228 King street, Brooklyn. Mr. Crowley is known for his work in electro-chemistry and other fields and Mr. Bennett is editor of the *Chemical Formulary*.

Harold C. Haskell, director of the legal department of E. I. duPont de Nemours & Co., has been named a director of the company.

Eimer & Amend to Move

Eimer & Amend, manufacturing chemists, will move early in July from its original location at Third avenue and Eighteenth street to 49 East Thirty-fourth street, this city, which site the company has occupied for ninety years. The scientific and instrument and laboratory apparatus departments of the company, together with the reagent chemical business, will be moved in September to larger quarters at Greenwich and Morton streets. The drug firm is controlled by the Fisher Scientific Company, Pittsburgh.

Monsanto Shifts McCullough

Dr. Campbell Rogers McCullough has been transferred from the research staff of the phosphate division of Monsanto Chemical Company to Monsanto's central research department. Dr. McCullough has had extensive experience with phosphorus and phosphorus compounds, specializing in this field for the past twelve years. Dr. McCullough's residence has been in Anniston, Alabama. His new location will be Dayton, Ohio.

Tungsten development by Henry W. Berger, Kingman, Ariz., has been authorized a national defense loan of $20,000 by the Reconstruction Finance Corporation.

Explosives Licensing Bill Passed by House

—Continued from page 5

detonation of the compound or mixture or any part thereof may cause an explosion. The term "explosive" or "explosives" shall not include cartridges for small arms or shotguns.

The term "ingredients" shall mean phosphorus and active oxidizing chemicals that can be combined with one or more reducing materials to produce an explosive.

The bill would prohibit even the possession of explosives without a license under penalty of a fine of $5,000 or one year's imprisonment or both. Licenses would be issued by agents designated by the Bureau of Mines.

Rumford Chemical Gets Award for 'Quadrafos'

Rumford Chemical Works, Rumford, R. I., has been awarded the citation annually bestowed by the engineering societies of New England in recognition of the company's success in developing a product which opens "new and desirable applications and so extends the possibilities of employment." The award was granted in recognition of Rumford's development of sodium tetraphosphate, marketed under the trademark of "Quadrafos."

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Heavy Chemicals

—Continued from page 29

car lots, and less car lots $4.15; flake, 45c. higher, making bags, car lots, $3.80 per 100 pounds, and less car lots $4.55; powdered, 65c. to $5.35 per 100 pounds for bags, car lots, and less car lots $6.10.

Acids

A sharp advance in prices for various grades of acetic acid provided the outstanding development in the market for acids last week. One seller issued prices ranging from 95c. to $1.03 above previous quotations. The change had been anticipated for some weeks when the market tightened under heavy inquiries from all directions. Producers were only able to supply normal needs of regular consumers, and could not book any new business. Scattered offerings in the outside market were many times above regular quotations. Prices for other basic acids held at previously established levels.

Demand remained active in all divisions of the market. A broad movement of sulphuric continued against contracts. Chromic was well taken. Formic demand held steady. Active interest prevailed for muriatic and nitric. Supplies of oxalic were limited, and sellers adhered to the policy of restricting business to regular channels.

Acetic.—One producer advanced prices on technical, pure and glacial. Prices follow:—Technical, 28 percent, barrels, car lots, $3.18 per 100 pounds; 56 percent, $5.18; 70 percent, $6.19 per pound, and 80 percent, $6.91 per 100 pounds. Pure, 30 percent, barrels, car lots, $4.23; 36 percent, $4.61; 60 percent, $7.17, and 80 percent, $8.70 per 100 pounds. Glacial, synthetic, barrels, car lots, $8.45. Less car lot prices 25c. per 100 pounds higher and carboys 50c. over barrel price.

Battery.—Demand steady. Prices unchanged and firm.

Chromic.—Prices firm at higher levels. Brisk inquiry.

Formic.—Shipments moved steadily, and market strong.

Gallic.—Moderate quantities made up the call. Prices without change.

Hydrofluoric.—Market tone firm. Steady withdrawals.

Lactic.—Good interest. Pricewise a firm tone prevailed.

Mixed.—Active demand against contracts. Prices rule unchanged.

Muriatic.—Inquiries and shipments active. Prices firm.

Nitric.—Brisk demand. Prices underwent no change.

Oxalic.—Market short. Sellers supplying regular customers only. Prices firm.

Sulphuric.—Shipments moved in good volume against contracts, and sellers confined business to regular accounts. Prices firm.

Baltimore, June 18.—The increase in the price of sulphuric acid, which has been predicted by producers here for some time past, is still being delayed and appears to be as far away as ever. At any rate, acid is being supplied under contract at the prices named, though acid makers say that contracts will not be renewed on the present basis. It is also pointed out that acid stocks are becoming scarcer, and that a positive shortage of supplies may be looked for. Meanwhile, the demand is expanding and while output has been augmented, the requirements of industry and the government seem to be overtaking the gain in production. The nominal figures stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. Oleum, which is extensively used not only for agricultural purposes, but in the making of smokeless powder and TNT, is also unchanged nominally at $17 per ton.

Insecticides

While the bulk of the business has passed for many materials in the market for agricultural insecticides and fungicides, a satisfactory interest was still evident for this time. Lead arsenate experienced a good season so far, while demand for calcium arsenate held up well. Shipments of paradichlorobenzene were steady. Prices displayed no change, and the tone held firm.

Calcium Arsenate.—A satisfactory inquiry prevailed. Pricewise the market was firm.

Lead Arsenate.—Prices continued firm. A normal seasonal movement was under way.

Paradichlorobenzene.—A steady demand remained in evidence. Prices were firm and unchanged.

Aluminum Co. Head Denied Ickes' Charges

—Continued from page 5

Mr. Wilson pointed out that his company has more than doubled production since 1938 and said that when its present program is completed the 1938 production will be more than trebled, and added that it stood ready to further increase plant capacity if electric power, vital to the production of aluminum, is made available. Continuing, he said:—

We want to state without reservation that the Aluminum company has no desire to prevent the necessary expansion of the aluminum manufacturing facilities in this country, or to get them all within its domination and control. We are interested in but one thing, that there be sufficient aluminum produced to meet the defense needs of our country. Furthermore, the Aluminum company has never in any way done anything to make it difficult for the Reynolds Metals Company, or anyone else, to go into the aluminum business, and has never endeavored to prevent the Reynolds Metals Company from obtaining power.

Alcoa Get Show Cause Order from Power Commission

OPD Washington Bureau
June 18, 1941

Th Federal Power Commission has ordered the Aluminum Company of America to show cause at a hearing scheduled for August 25 why three hydroelectric plants operated by the company or its subsidiaries should not be under license in accordance with pertinent provisions of the Federal Power Act. The plants named in the show-cause orders are:—The Calderwood project, on the Little Tennessee river in Blount and Monroe counties, Tenn.; the Cheoah project, on the Little Tennessee river in Swain and Graham counties, and the Santeetlah project, on the Cheoah river, a tributary of the Little Tennessee, in Graham county, N. C.

The show-cause orders state that the Little Tennessee river is a navigable water of the United States and that the projects are so operated and maintained as to affect the interests of interstate commerce. The construction, operation and maintenance of the three projects was and is in violation of the terms of the Federal Power act, the orders state, and the public hearing has been ordered to effectuate the provisions of the act in the public interest.

Anhydrous Ammonia Plants To Be Built in La. and Mo.

OPD Washington Bureau
June 18, 1941

The War Department today authorized the expenditure of $33,500,000 for construction of two anhydrous ammonia plants. The plants will be located in Monroe, La., and Louisiana, Mo.

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Huisking & Co. Adds to Building Space

Heavy increase in domestic and export business has forced Charles L. Huisking & Co. to expand the space housing company activities at 143-155 Varick street, this city. Three new building units have been added to the four previously devoted to office, storage, receiving and shipping, and processing operations.

Recently Enlarged Quarters

The executive offices have mushroomed out until they now occupy the entire second floor of the seven units. Each department has acquired much needed space and the change permitted realignment of the several departments in the interest of higher efficiency.

A major gain from the acquisition of three new units is the much enlarged receiving and shipping departments. What had been very crowded quarters are now nearer to space requirements, the need for which increased each month since the beginning of the war. A corresponding expansion of storage facilities and processing equipment permits the company now to carry reserves far greater than had been possible previously.

Four windows on the street level are now devoted to displays of merchandise-specialties of the company. One of them at this time shows the numerous products of Conti Products Corporation, of which Mr. Huisking is also president. The window shows specimens of castile soap, castile shampoo mixture, and olive oil.

The second is devoted to a display of 15th century to 17th century pharmaceutical jars, mortars and pestles, and scientific as well as medicinal books. These exhibits are owned by the Conti corporation.

Products of E. I. du Pont de Nemours & Co., are shown in a third window. The exhibits include camphor, cellulose caps and seals, artificial rubber sponges and gloves, dyes, rayon and nylon yarns, blasting agents, plastic coated wire mesh, synthetic resins, and neoprene.

The fourth window is a showing of Drucker's 'Revelation' tooth powder.

Charles L. Huisking, William W. Huisking, Peter A. Dirr

Larkin Co. Liquidation Nears Completion

Buffalo, June 12, 1941

All manufacturing operations of the Larkin Company will be terminated in the near future, it was announced by Alfred M. Saperton, attorney for the creditors' committee which is liquidating the business. At one time the company was a large producer of paints, varnishes, pharmaceuticals and cosmetics, food products and other lines. Three years ago the company sold its paint business to Carpenter-Morton Company, which now leases space in the Larkin plant. It gradually has been curtailing other operations and reducing its personnel until today only a small staff remains to conduct the original business.

Kreuger & Toll Payment Set

The protective committee for Kreuger & Toll Company's 5 percent secured debentures, of which Otis A. Glazebrook, jr., is chairman, has announced a distribution of $1,087,751 to holders of its certificates of deposit. Certificate holders are to receive $24.50 for each $1,000 of deposited debenture, which will bring the total distributed to about $688 for each $1,000.

Chicago Paint and Varnish Production Club's annual golf tournament will be held August 9.

Masonite Corporation, Chicago, is expending $1,500,000 for expansion and improvements at its Laurel, Miss., plant.

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3 • **Non-Flammable** over a wide range of concentration far beyond those used in practice.
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6 • **Quick acting.**
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9 • **Convenience** — Packed in 1 lb. to 120 lb. quantities. Easy to apply.
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Florasynth Observing Twenty-Fifth Year

Florasynth Laboratories, Inc., in observance of its twenty-fifth anniversary has presented its employees with life insurance policies under the group plan.

The company, manufacturing products for the flavoring, essential oil, ice cream, confectionery, soap and allied industries, maintains branches in Chicago, Dallas, Denver, Los Angeles, San Francisco, Seattle and New Orleans. Affiliates of the company are Florasynth Laboratories (Canada), Ltd., with headquarters in Montreal and branches in Toronto, Vancouver and Winnipeg, and Florasynth Laboratories de Mexico, S. A. The company also has connections in South America.

L. A. Rosett

C. L. Senior

Dr. A. Katz

W. Lakritz

Officers of the company are:—President, Louis A. Rosett; vice-president, Charles L. Senior; secretary, William Lakritz; and treasurer, Dr. Alexander Katz. Mr. Rosett, prominent in the scientific activities of the Flavoring Manufacturers Association, is also a member of the committee on patent and research of the National Association of Manufacturers.

Mr. Senior directs the export department. Dr. Katz, who supervises the Los Angeles plant, is a member of the faculty of the California Associated Colleges, a unit of the College of Applied Science, which offers course in cosmetic, perfume and flavoring sciences. Mr. Lakritz, who makes his headquarters in Chicago, supervises the companies activities in the midwest.

Chromite Deposits Described

A geological investigation of the chromite deposits of California is reported in detail by John Eliot Allen, chief geologist in the Oregon State Department of Geology and Mineral Industries, in the January, 1941, number of the *California Journal of Mines and Geology*. The report is illustrated with maps and pictures of specimens. The publication contains also a report on the mineral resources of Trinity county, with a separate map. The subscription price of this quarterly journal is $2 a year; single issues are 60 cents each. It is obtainable from the State Division of Mines, Ferry building, San Francisco.

The chromite deposits of the eastern part of the Stillwater complex, Stillwater county, Montana, are geologically and physically described in bulletin 922-N of the United States Geological Survey, an illustrated publication of forty-five pages with a separate map. This bulletin may be procured from the Superintendent of Documents, Government Printing Office, Washington, at 40 cents a copy.

Baltimore Paint Salesmen's Club will hold an outing June 28 at Crystal Beach, on the Magothy river.

Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, is erecting an oleum factory capable of turning out 200 tons daily.

Monsanto Rubber Service Dep't Gets New Head

Promotion of C. W. Christensen, assistant general manager of sales of the rubber service department of Monsanto Chemical Company, to general manager of sales. Promotion of James F. Hand of the rubber service sales department to assistant general manager of sales, succeeding Mr. Christensen.

Both Mr. Christensen and Mr. Hand have headquarters at Akron, Ohio.

Mr. Christensen, widely known in the rubber industry, is regarded as a product of that industry. Born in Akron, October 27, 1899, he obtained a degree in chemistry at Akron University. While attending Akron University he gained experience working with the Goodrich, Firestone and Miller Rubber Companies in Akron. In 1922 he was employed as a research laboratory assistant by the Rubber Service Laboratories in Akron, now the rubber service department of Monsanto. In 1923 he was transferred to sales work, and in 1932 he became assistant general manager of sales.

C. W. Christensen

He is treasurer of the division of rubber chemistry of the American Chemical Society, is married and has two sons, Chester and Edward.

Mr. Hand was born August 3, 1906, in Cincinnati, Ohio. He was graduated from Cornell University with a degree in chemistry, working at Cornell for a year as an instructor in chemistry. In 1928 he was employed as a chemist by the American Rolling Mill Company at Middletown, Ohio. He then went to Akron to join the B. F. Goodrich company as a chemist. In 1930 he was employed as a salesman by the rubber service department of Monsanto.

Mr. Hand is married and has two children, James, jr., and Susan.

Water-Repellent Back Cloth Patent Assigned to DuPont

A patent covering the use of a water-repellent back cloth for textile printing machines has been issued to E. Farnworth and George H. Wood, jr. of the Apponaug Company, Providence, R. I. The novel method described employs a cloth treated with 'Zelan' durable water-repellent developed by E. I. du Pont de Nemours & Co., Wilmington. The technique will be available to all textile printers through arrangement with the patentees.

Lee Heads British Export Council Here

Sir Kenneth Lee, for many years a textile executive in England, has been named American representative of the industrial export council of the British Board of Trade. His chief function will be to "coordinate and stimulate efforts being made in the United States and the United Kingdom to maintain fullest possible volume of export trade to this country."

Silicosuperphosphate, containing serpentine, will be produced in New Zealand, where a silicate mineral is found in commercial quantities.

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Dyestuffs, Textile and Leather Chemicals

Liquid Quebracho and Powdered Myrobalan Extracts Higher —Divi-Divi, Mangrove and Wattle Bark Prices Advanced —Egg Albumen Continues Upward—Nutgalls Firmer

Price trend continued upward in the market for dyestuffs, textile and leather chemicals last week. The majority of the increases were confined to raw tanning materials and extracts, which directly reflected the sharply higher replacement costs. Divi-divi, mangrove bark and wattle barks were up, while one seller issued higher contract prices for quebracho and myrobalans extracts. The advanced in egg albumen continued. Chinese nutgalls rose sharply, and sago flour advanced fractionally.

A good inquiry prevailed for practically all items, however, sellers were experiencing difficulty in obtaining adequate cargo space for many imported materials. Under the circumstances it was not possible to book any forward business. Supplies of many domestic materials were tight, and selling continued on a restricted basis.

Demand for corn derivatives has increased considerably since supplies of such substitutes as tapioca flour and sago flour were difficult to obtain, and prices advanced to such an extent that it was no longer practical to use these materials. Producers have been pressed to make all deliveries, despite higher production.

Chemicals

Alumina Acetate.—Demand steady. Market remained firm.

Alumina Chloride.—Shipments confined to regular channels as a rule. Prices firm.

Ammonia Acetate.—Dealings routine. Prices display firmness.

Ammonia Bichromate.—Moderate call, with prices well sustained.

Antimony Salts.—Offerings limited, and prices held firm.

Chrome Acetate.—Powdered offered at 21½c. per pound; no price available on solution. Market tight.

Potash Bichromate.—Brisk inquiry. Prices firm at recently established levels.

Potash Prussiate.—A firm situation prevailed, with offerings limited to usual consumers.

Soda Prussiate.—Shipments moderately active, and prices rule firm.

Sulphonated Oils.—A firm undertone governed the dealings. Commitments steady.

Zinc Dust.—Selling restricted. Prices unchanged and firm.

Price Changes

Advanced

Albumen, egg, dom., 15c. per lb.
Divi-divi, $5 per ton.
Mangrove bark, $1 per ton.
Myrobalan ext., pwd., 2c. per lb.
Nutgalls, Chinese, 5c. per lb.
Quebracho, ext., liq., 1½c. per lb.
pwd., ½c. per lb.
Sago flour, ½c. per lb.
Wattle bark, $1.50 per ton.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
215.5	205.4	183.1	144.9

Market news that may have developed after this report was sent to press will be found on page 4.

Soda Bichromate

A tighter situation prevailed for soda bichromate recently because of the heavy domestic and export demand. While virtually all domestic demands from regular channels have been met, a definite leveling off in export business has occurred. One producer a short time ago withdrew entirely from the market. The material has been placed on the export license list, but heavy shipments went to South America and Asia. Exports during the first quarter this year, totaled 5,980,000 pounds, comparing with the high level of 22,589,812 pounds shipped in the 1940 year. Late in 1940 a working arrangement was made with the administrator of export control to permit export in chrome chemicals without depleting stocks of metallurgical chrome ore. No late production figures are available, however, according to the 1937 census report, output amounted to 48,697 tons. Early in 1940 a leading producer believed that shortage, which existed at that time, would be eliminated by expansion of production facilities. Producers spot price for car lots at the outset of the war held at 6⅞c. per pound, and was maintained until recently when one prominent manufacturer raised quotations ½c. to take up the increased raw material and shipping costs. Offerings in the outside market reached a level of 9c. to 10c. per pound.

Dyestuffs

Annatto.—Transactions moderate. No change occurred in the prices.

Cochineal.—Market a routine affair. Prices remain the same.

Fustic.—Market firm at higher levels. Steady interest.

Hypernic.—Good inquiry. Market displays strong tone.

Indigo.—Dealings conservative, while quotations held firm.

Logwood.—Shipments moved at a good pace, while prices ruled firm at recently established levels.

Madder Dutch.—Business light. Prices without change.

Turmeric.—Prices ranged from 8¾c. to 9¼c. for the Alleppey, while Madras was 7½c. to 8c. per pound. Offerings limited.

Sizing Materials

Albumen, Blood.—Market strong, and prices firm at higher levels. Demand steady.

Albumen, Egg.—Prices advanced 15c., making crystal $1.15 to $1.40. Supplies limited. Good inquiry.

Corn, Sugar.—Brisk demand. Shipments lagging. Prices firm.

Dextrin, Corn.—Business active. Prices unaltered. Corn grind for May totaled 8,673,561 bushels, against 8,904,531 bushels in April and 6,523,729 bushels in May a year ago, according to Corn Industries Research Foundation.

Dextrin, Potato.—Prices unchanged and firm. Satisfactory inquiry.

Egg Yolk.—Market tight, and selling limited. Prices unaltered.

Sago Flour.—Price advanced ½c., ranging from 5½c. to 6c. per pound. Spot stocks limited, future shipments uncertain.

Starch, Corn.—Active demand. Market in firm position.

Starch, Potato.—Quotations unchanged. Business moderate.

Starch, Wheat.—Shipments fairly steady, and prices without change.

Tapioca Flour.—Business restricted, shipments retarded by lack of cargo space from Far East. Prices firm.

Tanning Materials

Chestnut Bark.—Steady demand. Prices firm.

Cutch.—Prices remain firm, and shipments routine to regular channels.

Divi-Divi.—Prices advanced $5, making Colombian $40 and Venezuelan $43 per ton. Good inquiry.

Gambier.—Prices nominal, spot stocks limited, and shipments uncertain.

Hemlock.—Shipments moved steadily against contracts. Prices firm.

Mangrove Bark.—Prices advanced $1 with fibrous at $38 and nonfibrous $37 per ton.

Myrobalan.—Powdered extract 2c. higher at 10c. in car lots and 10½c. in less car lots.

Nutgalls.—Prices for Alleppo withdrawn, while Chinese advanced 5c. ranging from 26c. to 28c. per pound. Demand moderate.

Oakbark.—Purchases remain steady. Prices lack change.

Osage Orange.—Moderate call. No change in the prices.

Quebracho.—Liquid up ½c. at 4½c. in tanks and 5c. per pound in barrels; powdered up 1½c., making car lots 10c. and less car lots 10½c. per pound.

Quercitron.—Prices firm. Buying steady.

Wattle Bark.—Market advanced $1.50, making East African $41 and South African $43 per ton.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—

American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.

David Leaves American Maize

D. K. David has resigned as president of the American Maize-Products Company, this city, in order to become associate dean of the Harvard School of Business Administration.

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Cyclohexanol 98-100%
Methyl Cyclohexanol 98-100%
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Coaltar Chemicals

Inquiries for Many Items Exceeding Available Supplies—Coaltar Solvents Firm — Heavy Demand for Tar Acids — A Number of Intermediates Remain in Tight Position

Orders continued to exceed available supplies for many products in the market for coaltar chemicals last week. Regular contract customers were given first consideration, and priorities for contract buyers were handled as soon as possible. In many cases where preference was requested and transaction represented new business, sellers were forced to turn it down. In a number of basic materials and intermediates practically all transactions were allocated. While no new price developments occurred, word was awaited for such materials as creosote oil, naphthalene and pyridin.

Demand for benzol was increasing, and the market showed firmness. Toluol and xylol were in a tight position, stocks moving directly into production channels. Since prices for coaltar solvents are on a prevailing list basis, sellers are able to make revisions whenever the occasion requires. No improvement occurred in the position of tar acids, which were in heavier demand than available supplies.

Coaltar acids moved steadily. Maleic, picric and tobias met a brisk inquiry. A number of intermediates were in a tight position. Anilin, benzaldehyde, betanpahthol, dinitrobenzene, dinitrotoluene, orthodichlorobenzene, paranitrotoluene and toluidin experienced no let up in demand. Position of phthalic anhydride was short, and business was usually pro rated among regular consuming trade.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.7	127.7	126.6	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Demand continues upward. Prices underwent no change, with tone firm.

Carbazole.—Firmness characterized the trading. Shipments moderately active.

Coaltar. — A steady movement of crude and refined remained in evidence. Prices remain firm.

Creosote Oil.—Market retained its firm position, with word awaited on contract prices. Replacement buying held at favorable levels.

Cresols.—Prices firm at recently established basis. Inquiries continued to exceed supplies, and selling was restricted.

Cresylic Acid.—Domestic prices firm at new levels. Business allocated as a rule to cover regular consumer needs. Spot stocks of imported small.

Naphthalene. — Movement of crude steady, and business confined to usual channels. Pricewise a firm tone predominated.

Oil, Shingle Stain.—Business followed a normal trend. Prices underwent no alteration.

Pitch, Coaltar. — Transactions routine. Market held its firm position.

Pyridin.—Shipments moved steadily against contracts. Prices remain firm.

Tar Acid Oils.—Quotations firm at the higher levels established previous period. Demand good.

Toluol.—Shipments moving directly into consuming channels. Market position firm.

Xylol.—A tight situation was prevalent, and selling restricted to regular consumers. Prices rule firm.

Phenol

Despite higher production, supplies of phenol continue to tighten. New business for national defense and civilian needs expanded considerably in recent months, with large quantities consumed by the dyestuff and plastic industries. A general trend towards increased use of plastics in order to liberate metals for defense purposes was evident. Definite plans are underway to increase production facilities. One large producer announced plans to expand existing facilities by 15 per cent. The plant now has a capacity of 20,000,000 pounds annually. Production of phenol during 1940 increased 40 percent, 72,000,000 pounds being produced synthetically from benzene and 24,000,000 pounds by distillation from coaltar crudes. Phenol has been added to the critical priorities list by the OPM, giving preference rating to the Army and Navy for military purposes. The material is also subject to an export license. During 1940 a total of 4,304,357 pounds was exported; the bulk of it going to the United Kingdom and Canada. Before the outbreak of the war, tank price was 12c. per pound. A reduction of 1c. to the basis of 11c. in tanks occurred during 1940. A short time ago price was advanced to 11½c. per pound. Scattered drum lots in the resale and outside market were offered at 25c. to 27c. per pound.

Chicago Coaltar Bases

Business continues good in the coaltar bases, with inquiry a little brisker here and there. Benzol has been moving a little better recently. Xylol is holding its own. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 8½c.; toluol, 27c.; 10-degree xylol, 25c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Hydrogenated Solvents

Cyclohexane. — Steady demand. Prices rule unchanged and firm.

Cyclohexanol.—Inquiries well sustained. Prices unaltered.

Methylcyclohexanone. — Buying steady. Prices held firm.

Coaltar Acids

Anthranilic.—Market firm, and buying routine from usual channels.

Benzoic. — Steady interest. Prices display firmness.

Broenner's. — Purchases moderate. Prices underwent no alteration.

Cleve's.—Shipments moderately active. Prices without change.

Fumaric. — Inquiries fairly brisk. Market position firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Gamma.—Usual consumers provided a good replacement interest.

H. — Transactions routine. Prices firm.

Laurent's. — Withdrawals moderate, and quotations lack change.

Maleic. — Active demand. Market position strong and prices the same.

Malic.—Buying steady. Pricewise a firm tone prevailed.

Picramic. — Good inquiry. Market firm.

Picric.—Shipments confined to regular channels as rule. Market strong.

Salicylic.—Technical moved steadily. Prices remain firm.

Succinic. — The call was moderate. Prices failed to change.

Sulphanilic. — Buying steady. No change disclosed in the quotations.

Tobias.—Market firm. Steady demand.

Other Intermediates

Alphanaphthol. — Demand steady. Prices unchanged and firm.

Alphanaphthylamine. — Withdrawals steady against contracts. Prices without change.

Anilin.—Market position firm, while business held at a good pace.

Anthraquinone. — The call held steady and prices were firm.

Benzaldehyde. — Good demand for technical, with prices firm.

Benzidine Base.—Shipments steady. Prices held firm.

Betanaphthol. — Active inquiry. Prices maintained at firm levels.

Betanaphthylamine.—Good demand. Market firm.

Diethylanilin. — Withdrawals moderately active. Prices remain the same.

Dimethylanilin.—Business continued at an active pace. Market strong.

Dinitrobenzene.—Shipments moved steadily against contracts. Prices firm.

Dinitrochlorobenzene.—Buying held steady and market retained its firmness.

Dinitronaphthalene.—Inquiries and shipments good. Prices unchanged and firm.

—Continued on page 36

Wickersham Manager Of White Tar Company

—Continued from page 5

secticides for industrial use as well as mothproof paper products for domestic use. It also makes religious, novelty, and hand-dipped household candles.

Mr. Wickersham joined Koppers in 1916, a year after he was graduated from Lehigh University with a degree in engineering. He was associated with the engineering, construction and operating departments until 1920, when he left to build and operate refineries in Texas and California for the extraction of casing head gasoline from natural gas. He returned to Koppers in 1923 as a buyer in the purchasing department. He was made assistant purchasing agent in 1928, and was appointed assistant salesmanager of the tar and chemical division in 1937.

Trade Briefs

Montecatini Company's annual report revealed that output of sulphuric acid was increased 40 percent in 1940.

Chemicals and allied products production in Canada was valued at $184,162,900 in 1940, a 15 percent gain over 1939.

Soda ash production in the Union of South Africa in 1940 amounted to 2,545 short tons, compared with 2,490 tons in 1939.

Soda ash factory would be established in Netherland Indies by the government, under the provisions of a bill recently passed.

U. S. Rubber Company plans to construct a factory for production of synthetic rubber adjacent to its plant in Naugatuck, Conn.

Whedon Manganese Mines, Inc., has been organized in Los Angeles county, Calif., with a capital of $200,000. The new corporation is represented by Dexter & Seccombe, Bank of America building, Beverly Hills, Calif.

Coaltar Crudes Production: 1940

Statistics on the United States production and sales in 1940 of coaltar crudes reveals that tar distilled by purchasers thereof included 5,247,209 gallons of oil-gas tar, 41,479,643 gallons of water-gas tar, and 317,387,061 gallons of coaltar. Statistics compiled by the Tariff Commission follow:—*

		Sales		
	Production.	Quantity.	Value.	Unit value.
Tar‡ ..... Gals..	675,286,517	350,691,110	$16,051,496	$0.046
Light oil and derivatives:—				
Crude light oil ..... Gals..	216,617,985	‡10,324,670	‡829,031	.080
Benzol (except motor benzol) .... Gals..	39,151,941	34,313,297	4,510,620	.131
Motor benzol ..... Gals..	109,226,476	103,422,653	8,846,592	.086
Toluol, crude and refined ..... Gals..	32,579,649	31,384,746	7,833,756	.250
Solvent naphtha, crude and refined .. Gals..	10,060,152	9,267,528	1,754,879	.189
Xylol‡ ..... Gals..	5,645,993	5,385,574	1,239,603	.232
Other light oil products ..... Gals..	8,026,313	5,871,638	562,949	.096
Naphthalene, crude (solidifying under 70°C.)§ ..... Lbs..	159,710,939	145,987,895	2,921,146	.020
Pyridine, crude and refined‡ ..... Gals..	241,075	218,165	296,441	1.359
Creosote oil ..... Gals..	125,483,027	114,042,003	13,761,521	.121
Coaltar sold or consumed in coaltar solution† ..... Gals..	4,215,152	.....	.....	....
Tars, crude and refined† ..... Gals..	31,884,610	32,377,588	2,003,097	.062
Tars, road† ..... Gals..	150,523,083	152,737,701	10,511,926	.069
Other distillates¶ ..... Gals..	52,034,404	14,485,972	2,183,057	.151
Pitch of tar ..... Tons..	707,082	391,741	4,988,049	12.73
Pitch of tar coke† ..... Tons..	90,906	87,177	1,009,219	11.58

* Data for coke ovens reported to Bureau of Mines, and for tar refineries and others, to the U. S. Tariff Commission unless otherwise noted.

† Reported to U. S. Tariff Commission only.

‡ Reported to Bureau of Mines only.

§ Includes refined naphthalene reported to Bureau of Mines.

¶ Includes crude tar acids and pyridine reported to the U. S. Tariff Commission, and phenol, sodium phenolate, and certain other products reported to Bureau of Mines.

'Pat' Cooke Leaves Gray Co. For Export Control Post

J. S. 'Pat' Cooke has severed his connection of twenty years with William S. Gray & Co., commission merchant, this city, in order to accept on appointment as major in the Specialist Reserve of the Army at the request of General R. L. Maxwell, administrator of export control. Mr. Cooke left June 19 for Washington. Mr. Cooke was assistant treasurer of the Gray organization.

Picric Acid Plant To Be Built in Arkansas

The War Department today has authorized an expenditure of $16,750,000 for construction of a picric acid plant in Marche, Ark., which is about fifteen miles northwest of Little Rock. It will be known as the Maumelle Ordnance Works.

Hair Dye Dealers Enter F.T.C. Ad Stipulation

—Continued from page 4

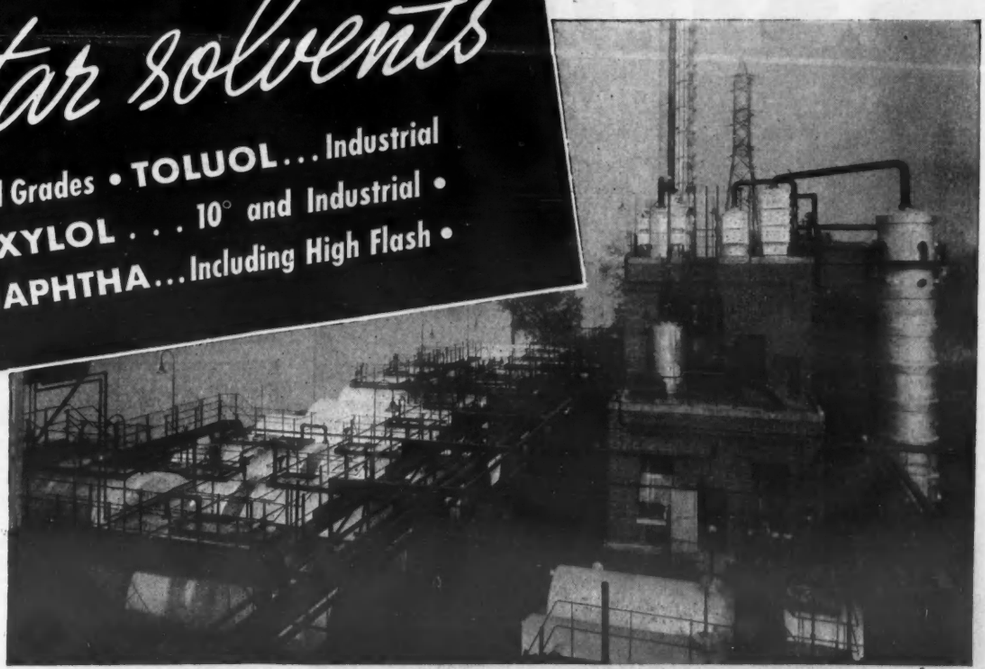
label bears the first described caution displayed conspicuously thereon, and the accompanying labeling bears adequate directions for such preliminary testing before each application.

One concern further stipulates that it will cease disseminating advertisements of its product containing metallic salts, which fail to reveal conspicuously therein a cautionary statement to the effect that this product is not to be used under certain conditions or circumstances, provided, however, that such advertising need contain only the statement:—"Caution:—Use only as directed on label," if and when such label bears the above described cautionary statement conspicuously displayed thereon.

KOPPERS

Coal tar solvents

BENZOL... All Grades • TOLUOL... Industrial and Nitration • XYLOL... 10° and Industrial • SOLVENT NAPHTHA... Including High Flash •



OTHER KOPPERS CHEMICALS AND SOLVENTS

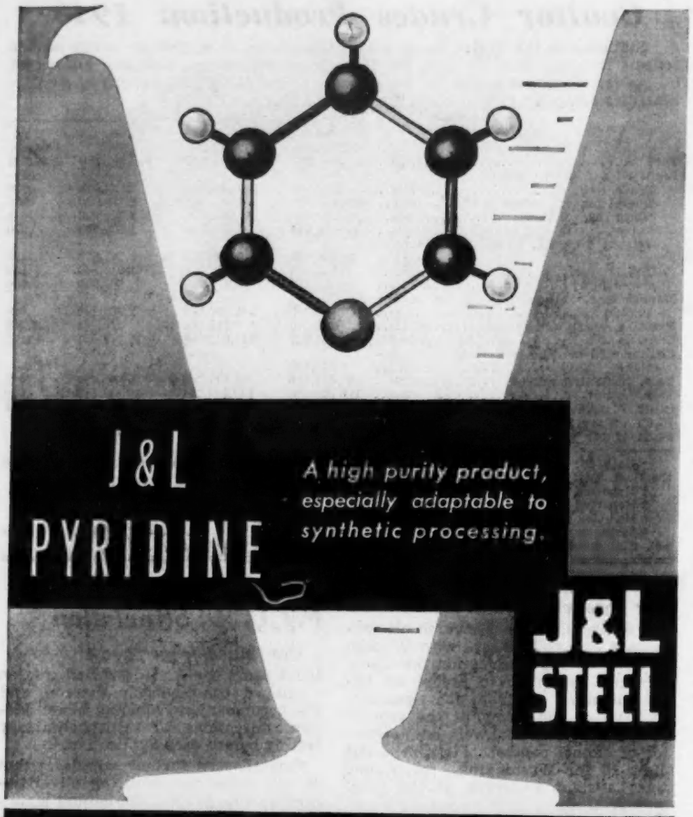
Phenol (82% and 90% Purity) ... Cresol (U. S. P., Resin and Plasticizer Grades) ... 3° Meta Para Cresol ... Cresylic Acid—(99%, pale, low-boiling—99%, pale, high-boiling) ... Naphthalene Shingle Stain Oil ... Refined Tars ... Tar Acid Oils ... Pitch Coke ... Industrial Coal Tar Pitches ... Flotation Oils ... Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials ... Waterproofing and Dampproofing Materials ... Tarmac Road Tar Materials ... Bituminous-base Paints ... Coal ... Coke ... Tanks and Tank Work ... Removal and Recovery Systems ... Gas Plants ... Fast's Self-aligning Couplings ... American Hammered Piston Rings ... Pressure-treated Lumber

Experience gained by Koppers in developing, designing and constructing a large proportion of the plants in which coal tar solvents are recovered enables Koppers to produce coal tar solvents of uniformity and dependable quality.

KOPPERS COMPANY · PITTSBURGH, PA.



HIGH QUALITY PRODUCTS MADE BY J&L

BENZOL · TOLUOL · XYLOL · PYRIDINE

SULPHATE OF AMMONIA

JONES & LAUGHLIN STEEL CORPORATION

AMERICAN IRON AND STEEL WORKS · PITTSBURGH, PA.

REPUBLIC
XYLOLS

3°—5°—10°—COMMERCIAL

REPUBLIC STEEL

ALSO

BENZOLS 1°—2°—90% - Motor

TOLUOLS Nitration-Commercial

SOLVENT NAPHTHA • AMMONIUM SULPHATE

CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL

CORPORATION

General Offices • Cleveland, Ohio

BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Cleveland, Ohio · Warren, Ohio · Youngstown, Ohio
Canton, Ohio · Massillon, Ohio · Gadsden, Alabama · Birmingham, Alabama

Synthetic Chemicals Sales Up 26 Percent

—Continued from page 3

Production of coaltar medicinals was 18,000,000 pounds. Non-coaltar medicinals reached an output of 2,200,000 pounds.

In 1940 exports of coaltar products and of medicinal and pharmaceutical preparations reached the highest level on record. Exports of coaltar products were valued at $28,000,000, and of medicinal and pharmaceutical preparations at $29,000,000. Imports of coaltar products in 1940 decreased in value from the 10-year high of $19,000,000 reached in 1939 to $9,000,000, the lowest since 1919. Comparison of United States production and sales, average 1934-38, annual 1939 and 1940, follows:—

	1934-38 average.	1939.	1940.	Increase, 1940 over 1939. Percent.
Coaltar Chemicals				
Intermediates:—				
Production	462,614,000	607,175,000	805,807,000	32.7
Sales	197,918,000	269,084,000	315,967,000	17.4
Sales value	28,305,000	38,489,000	46,428,000	20.6
Finished coaltar products*:—				
Production	292,873,000	437,867,000	522,850,000	19.4
Sales	251,838,000	353,604,000	402,324,000	13.8
Sales value	106,800,000	146,156,000	171,427,000	17.3
Dyes:—				
Production	102,528,000	120,191,000	127,834,000	6.4
Sales	101,137,000	114,494,000	122,677,000	7.1
Sales value	55,227,000	70,224,000	76,432,000	8.8
Medicinals:—				
Production	11,596,000	15,188,000	18,208,000	19.9
Sales	9,625,000	12,932,000	15,004,000	16.0
Sales value	9,412,000	13,711,000	17,511,000	27.7
Flavors and perfume materials:—				
Production	4,041,000	5,349,000	5,490,000	2.6
Sales	3,757,000	4,938,000	5,067,000	2.6
Sales value	3,354,000	4,447,000	4,759,000	7.0
Coaltar resins:—				
Production	102,644,000	179,338,000	222,943,000	24.3
Sales	77,891,000	128,420,000	153,521,000	19.5
Sales value	15,271,000	23,028,000	33,378,000	44.9
Non-Coaltar Chemicals				
Production	1,941,220,000	3,034,655,000	3,994,661,000	31.6
Sales	951,158,000	1,532,363,000	1,989,282,000	29.8
Sales value	106,171,000	199,698,000	265,544,000	33.0

* Includes color lakes, rubber chemicals, and miscellaneous coaltar products not shown separately.

Coaltar Chemicals

Other Intermediates

—Continued from page 35

Dinitrophenol.—Withdrawals steady. Prices underwent no change.

Dinitrotoluene.—Market firm. Buying held at a brisk pace.

Diphenyl. — Steady inquiry. No change occurred in the prices.

G Salt. — A routine interest prevailed, while prices were the same.

Metanitroparatoluidin. — Call moderate. Prices firm.

Nitrobenzene. — Active demand. Prices without change.

Nitronaphthalene.—Prices held firm. Buying steady.

Orthochloroanilin. — Bookings steady. Quotations firm.

Orthochlorophenol. — Market firm, while usual consumers made steady replacements.

Orthocresol. — Heavy inquiry; market tight. Prices firm.

Orthodichlorobenzene.—Prices firm at recently established levels. Good demand.

Orthonitrotoluene.—Dealings remain steady, and prices rule firm.

Orthotoluidin. — Business usually confined to regular channels. Prices without change.

Parachlorophenol. Withdrawals moderately active and prices firm.

Paranisidin.—Buying steady. Quotations lack any change.

Paranitrophenol. — Market position firm, and takings remain steady.

Paranitrotoluene. — Brisk inquiry. Prices without change.

Paratoluidin.—Good call. No change in the prices. Tone firm.

Phthalic Anhydride. — Active demand. Inquiries exceeded supplies. Prices unchanged and firm.

Thiocarbanilide. — Steady interest. Prices rule firm.

Toluidin. — Shipments confined to regular consumers as a rule. Pricewise a firm tone predominated.

Xylidin.—Buying held at good levels, with market position firm.

Coaltar Colors

A good movement of coaltar colors continued in evidence last week. Inquiries ran at comparatively high levels from numerous sources. Activity in the textile field as the result of the defense program provided one of the broadest outlets. The Fall is expected to usher in one of the largest color seasons in some time in practically all types of apparel and accessories. The trend, in part, was said to reflect the strain of war developments. A favorable amount of export inquiries continued to reach the market. Sellers were expected to make known third quarter contract prices shortly. In the interim a firm tone governed the dealings.

Portland Gas Co. Plans Larger Light Oils Output

The 1940 annual report of the Portland Gas & Coke Company, Portland, Ore., disclosed that new investment in petroleum by-product coke plant now in construction would be about $1,250,000. Plant would add 6,000,000 feet to gas making capacity, in addition to producing 20,000 tons of calcined coke and 3,500,000 gallons of light oils, toluol, xylol and solvent naphthas.

Campbell's Dye Works is the firm name under which James Edwin Fuller has obtained a certificate to conduct business at 4608 Park boulevard, San Diego, Calif.

Low Temperature Carbonisation, Ltd.

ENGLAND

Largest manufacturers in the World of low temperature tar acids of the highest possible degree of purity and efficiency.

A considerable proportion of the output is already being exported to North and South America for disinfectants, germicidal products and plastics, in addition to the special high efficiency flotation grade for the mining industry.

This is the first time in history that highly refined tar acids of this type have been made available on a large scale, and remarkably good results are being obtained by our many American buyers.

Please send us a note of your requirements with full particulars to our Sales Agents:—

TAR RESIDUALS, LTD., "Garthlands," Reigate Heath, SURREY, ENGLAND

Paint, Varnish, Lacquer Materials

Titaniums to Be Raised July 1—Chemical Colors Advanced for Third Quarter Delivery — Carbon Black Schedules Revised Downward—Still Higher Than Second Quarter Prices

A prominent producer of titanium dioxide and pigments last week announced price advances to become effective July 1.

Anticipated advances in prices on chemical colors were confirmed by prominent producers last week. Affected were tungstated victoria blue, victoria blue ink toner, tungstated greens and methyl violet, phosphotungstic rhodamine Y, chrome yellows, zinc yellows, and some ink products. The advances are effective immediately, although contract customers were not affected by the rises.

A large independent producer of carbon blacks last week issued his prices for the third quarter. They were higher than those of the second quarter but lower than the new prices reported by other prominent producers two weeks ago. The latter group promptly revised their former schedules to meet the competitive quotations.

The general paint materials market during the week was very active. Consumers were rushing to obtain supplies in the face of possible shortages of several products. Pigments producers, especially suppliers of zinc pigments, were limiting sales to normal requirements of regular customers. Hide and bone glues and casein were very tight. Offerings of stearates were limited. Rosin was more active, buying being stimulated by an announcement from Washington that the government would withdraw offerings of rosin in drums. The price trend was upward. Turpentine was also more active and firmer.

Metallic Lead and Zinc

Demand for pig lead continued to be in excess of the available supply. Sellers in many cases were reported refusing orders due to inability to accomodate them. Price was steady. Suppliers of slab zinc continued to allocate sales strictly. Stocks were low and demand was heavy. No change was made in quotations.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from June 14 to June 20, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound—		Per ton—
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0585@.0590	$0.0570	..* .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0580@.0590	.0170	.. .. ..
Wedn'sd'y.	.0585@.0590	.0570	.. .. ..
Thursday	.0585@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

* London exchange closed.

Price Changes

Advanced

Rosin, gum, 9c. to 16c. per 100 lbs.
Shellac, bonedry, 1c. per lb.
refined bonedry, 1c. per lb.
T.N., 2c. per lb.
superfine, 2c. per lb.
Shellac varnish, white, 10c. per gal.
orange, 10c. per gal.
Turpentine, s.d., 2c. per gal.
gum, 1½c. per gal.

Reduced

None

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.6	128.6	128.0	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Carbon Black

The tremendous domestic demand for carbon black cut sharp inroads in exports during 1940, when 177,722,502 pounds, valued at $7,828,519, were shipped from the United States. This compared with 1939 figures of 203,827,817 pounds, worth $8,888,480. The needs of American consumers of carbon black continued to expand this year, and, although producers had made it a policy to show preference to domestic users, the government finally placed the color under the licensing provisions of export control.

In the first three months of this year exports totaled only 31,076,038 pounds, valued at $1,377,716. Pricewise, sharp advances have been made since the start of the war. At the end of August, 1939, the quotation was 5¾c. per pound, f.o.b. warehouse. On July 1, 1941, it will have reached a level of 7c. to 7½c. per pound.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from June 14 to June 20, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound—		Per ton—
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Blue Lead.—As reported, prices on basic sulphate material were hiked ½c. per pound. Demand large.

Antimony White.—Quotations firm and unchanged. Demand good. Offerings limited.

Flake White.—Satisfactory demand. Price steady.

Litharge.—Large movement reported. Heavy demand. Price steady.

Lithopone.—Heavy call, with producers limiting sales. Shipments larger. Prices steady and unrevised.

Metronite Pigment.—Better than normal trade reported. Price firm.

Orange Mineral.—Heavy demand remained a feature of the market. Inquiries were brisk. Prices firm.

Red Lead.—Consumers actively interested in offerings. Shipments heavy. Prices firm.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Fed. Production Clubs, Oct. 27-28, Chicago.
Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
LIGHT IN COLOR (IDEAL FOR WHITES)
EASY BRUSHING & GOOD LEVELING
VERY GOOD GLOSS & COLOR RETENTION
ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

ACID VALUE 3-4: VISCOSITY Z_1—Z_2
60% SOLIDS—40% MINERAL SPIRITS

PARAMET SYNTHETIC RESINS

SAMPLE AND PERTINENT DATA ARE YOURS FOR THE ASKING.

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

ALLYL ALCOHOL
ALLYL CHLORIDE
BUTYL ALCOHOL
(Secondary)
BUTYL ALCOHOL
(Tertiary)
DIACETONE
ISO PROPYL ETHER
METHALLYL ALCOHOL
METHALLYL CHLORIDE
2-CHLOROBUTENE-2

Selling Agents for Shell Chemical Co.

R·W·GREEFF & CO.
10 ROCKEFELLER PLAZA,
NEW YORK CITY

NEVILLE
COSOL*
for use in
Wire Enamels, Inks, Synthetic Enamels, and wherever powerful slow-evaporating solvents are required
COSOL is furnished in three high boiling grades:—160-235°C, 165-250°C, 200-255°C. Each is slow-evaporating, practically water-white, mild and pleasant in odor, fully refined and does not contain naphthalene or tar acids. In addition to high boiling range, COSOLS have high solvent power and high flash point, with exceptionally low distillation residue.
Write us at once for samples of the COSOLS best suited to your needs.
*Reg. U. S. Pat. Off.
THE NEVILLE COMPANY
PITTSBURGH • PA.

Titanium Pigments.—Prominent producer to advance prices July 1. The ordinary dioxide, the non-chalking and the chalk-resistant types will be boosted 1c. per pound. Pigment with a barium or magnesium base, a calcium base, or a calcium-rutile base will be increased ¼c. per pound.

White Lead.—Movement large. Demand active. As reported, basic sulphate material was advanced ½c. per pound.

Zinc Oxides.—Demand held to high levels. Producers were selling only normal amounts to regular customers. Stocks were being watched carefully. Prices firm and unchanged.

Fillers and Extenders

Asbestos.—Good call. Prices steady.

Asphaltum.—Market moving in normal manner. Shipments fairly large. Prices unchanged and firm.

Barytes.—Consumers continued to be fairly active in the market. Prices were firm and unrevised.

Blanc Fixe.—Market normal. Demand fair. Prices steady.

China Clay.—Satisfactory movement. Prices steady.

Charcoal.—Offerings and demand normal. Inquiries fairly large. Prices firm and unrevised.

Diatomaceous Earth.—All grades moving well. New business slightly more satisfactory. Prices firm and unchanged.

Fullers Earth.—Movement fair. Demand normal. Price steady.

Graphite.—Contract call slower. Inquiries more numerous. Offerings normal. Prices steady and unaltered.

Gypsum.—Fair call. Quotations firm.

Marble Flour.—Satisfactory demand. Price unchanged.

Mica.—Movement larger. Quotations unrevised and firm.

Rottenstone.—Fair call. Tone stable.

Talc.—Offerings and demand normal. Prices firm.

Whiting.—Better than normal trade reported. Shipments fairly large. Inquiries up. Prices steady.

Woodflour.—Domestic grades in good call. Prices firm. Imported material not offered. Prices withdrawn.

Driers

Palmitates.—Heavy demand recorded. Prices firm and unchanged.

Stearates.—Demand held to high levels despite the advance in quotations late in the previous week. Suppliers were limiting offerings and a resale market was noted at about 3c. per pound above list.

Lacquer Materials

A generally tight situation continued in the market for lacquer materials and solvents last week. Sellers were under pressure to take care of the large orders, and were enedavoring to allocate business to cover needs of regular contract consumers. Acetone was in heavy demand and spot offerings small. An active inquiry continued for dibutyl phthalate. A brisk demand prevailed for isopropyl acetate. The recent sharp advance in tricesyl phosphate prices by one factor was followed by another leading producer. With contract announcement for the third quarter released, the market was devoid of any new developments. A firm tone remained in evidence.

Acetone.—Market tight. Shipments confined to regular consumers. Prices firm at recently established levels.

Butyl Acetate.—Steady movement of normal and secondary. Market position strong. Quotations firm.

Cellulose Acetate.—Active inquiry. Market displays firmness.

Dibutyl Ether.—One factor advanced price 2c. to basis of 28c. for drums. Demand steady.

Dibutyl Phthalate.—Active buying, selling confined to regular channels. Prices firm.

Ethyl Acetate.—Prices firm at higher levels. Inquiries and shipments brisk.

Isopropyl Acetate.—Market firm. Withdrawals continued at a steady pace.

Tricresyl Phosphate.—Prices advanced by another leading producer 3c. per pound, following recent advance by one factor. Active interest.

Dry Colors

Alkali Blue Toner.—No changes. Good demand.

Bone Blacks.—Good demand following advances two weeks ago. Shipments large. Prices firm.

Carbon Blacks.—Third quarter prices reported by prominent producers two weeks ago, have been revised to the following:—Uncompressed, car lots, 3.425c. per pound, f.o.b. plants, and less car lots, 7½c. per pound, f.o.b. warehouse or delivered; beads or compressed, car lots, 3.35c. per pound, f.o.b. plants, and less car lots, 7c. f.o.b. warehouse or delivered; bulk, car lots, 3.15c. per pound, f.o.b. plant. The revised schedules were to meet the prices of one independent producer who issued his schedule last week.

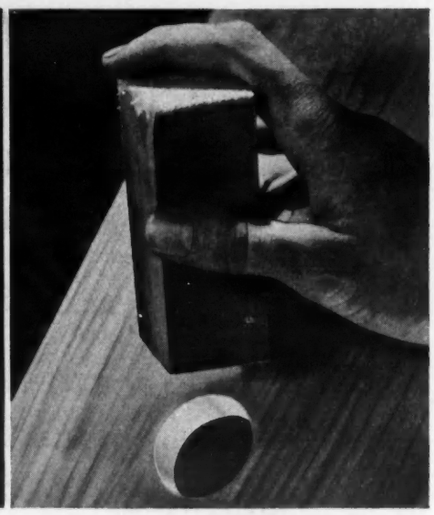
Chrome Yellow.—Contract price will be advanced 1c. per pound to 14½c. Increase effective now for spot.

Carmine No. 40.—Demand heavy Price firm and unchanged.

Indian Reds.—As reported, will be advanced ½c. per pound. Demand good.

Magnetic Blacks.—Prices to be ad-

—*Continued on page* 39

Made to Fit ?

There's a moral in this picture and it's simply this: Whenever you can, buy materials that are made with *your* problems in mind. Because the chances are, such materials will work better.
Metasap metallic soaps, for example, are made on that basis. And the record shows they *have* worked better for many manufacturers — for over 25 years!
METASAP CHEMICAL COMPANY
A Division of National Oil Products Co.
PALMITATES
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STEARATES
ZINC STEARATE
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BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

SecondaryButyl Alcohol
for BETTER AND CHEAPER
LACQUERS
STAINS
POLISHES
DETERGENTS
Sample and a copy of "Solvents Derived from Petroleum" available
STANDARD ALCOHOL CO.
26 BROADWAY - - NEW YORK, N. Y.

Lakes and Colors Output: 1940

United States production and sales of organic lakes, toners, pulp colors and colors flushed in oil and varnish in 1940, as reported by the Tariff Commission, follows:—

Lakes and Extended Colors

	Pounds			
	Production		Sales	
	1940.	1939.	1940.	1939.
Alizarin	185,444	153,981	164,253	100,538
Azo Bordeaux	242,189	373,498	252,471	333,293
Black	138,119	126,021	162,140	105,897
Blue	495,714	478,362	392,957	323,772
Brown	43,214	48,464	20,768	24,442
Eosine and phloxine	114,056	197,317	109,846	190,320
Fast light yellow	32,794	215,946	29,002	46,285
Green	318,980	325,264	269,481	250,966
Lithol rubine	347,223	325,714	346,128	330,613
Methyl violet	151,282	177,263	137,904	174,134
Naphthol yellow	10,992	22,250	10,012	18,125
Orange	188,489	198,531	165,754	169,237
Peacock blue	1,668,967	1,353,943	1,357,396	1,080,108
Persian orange	314,717	436,108	252,743	315,861
Phosphomolybdic acid	50,356	69,040	.....	56,957
Phosphotungstic acid:—				
Blue	359,585	398,185	267,836	394,147
Green	169,340	202,547	129,543	169,649
Purple	75,522	41,510	65,950	36,504
Red	209,731	228,904	175,904	194,836
Pigment scarlet	434,919	333,486	.....	258,720
Quinoline yellow	26,161	28,586	21,628	23,906
Red	518,789	439,880	492,858	395,070
Scarlet 2R	1,081,170	909,822	993,222	843,445
Tartrazine	155,193	191,688	145,614	178,364
Violet	10,432	16,133	9,514	16,826
Yellow	195,060	148,419	99,446	132,577
All other organic lakes and extended colors	717,610	104,200	1,130,695	44,643
Totals	8,306,681	8,255,545	7,203,392	6,894,974

Toners or Full Strength Colors

Alkali blue	549,204	.....	.....	.....
Eosine and phloxine	298,365	270,877	192,527	133,041
Green	51,301	47,183	38,937	32,170
Hansa yellow	237,141	244,750	236,410	205,997
Lake red C	581,805	533,742	421,013	414,417
Lake red D	9,762	11,503	6,922	7,398
Lithol	3,261,949	2,843,295	2,933,945	2,551,064
Lithol rubine	212,937	160,259	198,004	151,415
Maroon	768,674	519,152	732,584	506,723
Methyl violet	284,632	241,385	252,243	219,179
Orange	26,264	28,756	19,644	26,997
Para red	1,142,532	1,162,691	999,610	991,996
Permanent orange	135,565	125,405	128,915	114,853
Phosphomolybdic acid:—				
Blue	16,994	.....	.....	.....
Green	18,732	17,148	14,364	9,475
Purple	29,317	16,435	17,346	.....
Red	5,209	26,120	24,030	23,659
Violet	28,388	30,095	4,371	30,013
Phosphotungstic acid:—				
Blue	102,995	113,664	80,529	100,116
Green	83,262	91,154	72,863	76,601
Purple	76,935	85,291	61,690	65,605
Red	46,846	52,336	41,651	44,699
Red	421,122	383,041	400,749	360,244
Toluidine red	998,907	950,291	812,866	846,626
Yellow	182,425	75,917	155,982	74,028
All other organic toners	44,670	589,896	516,018	543,405
Totals	9,615,028	8,620,406	8,363,213	7,552,721

Reduced Toners

Lake red C and lake red D	53,978	56,419	54,232	54,671
Lithol	342,763	307,460	370,280	286,875
Para red	361,116	407,924	368,381	000,000
Toluidine red	239,316	214,904	187,231	165,820
All other reduced toners	293,912	291,149	239,399	222,090
Totals	1,291,085	1,277,856	1,219,523	1,129,651

Paint Materials

Dry Colors

—*Continued from page* 38

vanced ½c. per pound for third quarter delivery. Effective now for spot.

Red Oxide.—A ¼c. per pound advance has been announced for new contracts and for spot.

Siennas.—The ¼c. per pound advance noted in last issue was reported generally last week. Shipments held to good levels during the past week.

Spanish Red Oxides.—A ¼c. per pound advance has been announced for third quarter delivery.

Tungstated Victoria Blue.—Price will be advanced 15c. per pound to $3.30 for delivery in the next quarter. Demand very good.

Tungstated Green.—Will be raised 25c. per pound to $3.75 for the brilliant and to $2.60 for the emerald.

Red, Phosphotungstic Rhodamine Y.—Will be advanced 25c. per pound to $4.15.

Tungstated Methyl Violet.—New price will be $2.10 per pound, 25c. higher.

Umbers.—Advanced ¼c. per pound for the third quarter.

Victoria Blue Ink Toner.—Will be advanced 8c. per pound to $1.83 for the regular and to $1.93 for the synthetic vehicle.

Zinc Yellow.—Producers announced 1½c. per pound advance for third quarter contracts, with both the standard and Navy specification types to be listed at 17½c.

Ultramarine Blue.—One prominent producer will continue present prices through the third quarter.

Yellow Oxides.—The natural will be raised ¼c. per pound for third quarter while the synthetic will be advanced ½c.

Shellac

Prices on shellac were advanced 1c. to 2c. per pound last week, an indication of the basically strong position of all qualities available on spot. T.N., rose to 26½c. to 27½c. per pound. Superfine, 27½c. to 28½c. D.C., V.S.O., and Diamond I, 36c. to 37c. Bone dry, 32c. Refined bone dry, 38c. Shellac varnish was up 10c. per gallon. Prices were:—White,, 5 pound cut, $1.45 to $1.50 per gallon; 4½c. pound cut, $1.40

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to $1.45; 4 pound cut, $1.35 to $1.40; orange, 5 pound cut, $1.35 to $1.40; 4½ pound cut, $1.30 to $1.35; 4 pound cut, $1.25 to $1.35. Replacement cost was high when all items figuring in the expense of bringing goods with reasonable promptness from Calcutta were reckoned with. Demand was very good and competition in local circles was limited.

Naval Stores

The principal development in the naval stores situation last week was an announcement from Washington that effective at midnight June 19 offerings of government holdings of 1939 and 1940 rosin in drums and 1940 rosin in barrels would be withdrawn from the market until further notice unless the purchase price therefor would be not less than the amount advanced plus accrued charges and interest. This announcement was followed by an increase in demand from consumers and dealers and caused an upturn in prices, all grades participating in the upward movement. Consumers who had postponed purchases when an easier tone developed recently became good buyers and the offerings from fresh arrivals in Southern markets were promptly absorbed. The government will continue to supply rosin in wood barrels from the 1939 production, but many consumers, for the time being at least, manifested little interest in supplies in barrels, the condition of the product in such containers, it was reported, having deteriorated.

The upturn in rosin had the effect of stimulating demand for turpentine and prices for that commodity also moved upward, sales being reported in the Savannah market on Wednesday at 36¾c., which compared with 35c. at the opening of the week. The government remained out of the market as a seller of turpentine. Offerings of that product from other sources were moderate although the movement from the woods to primary points showed some increase. Reports concerning operations in the woods in some parts of the South, however, continued unfavorable, rainfall still being deficient.

The recent announcement that effective July 2, rosin would be placed on the export control list apparently failed to stimulate foreign interest to any extent. It was reported that Japanese interests were endeavoring to secure freight room for rosin recently purchased on a rather liberal scale but were not meeting with much success. As a result of the recent change in the rules concerning transactions in rosin and turpentine on the Savannah market it is now possible for producers who are not members of that body and who are not operating through factors to sell their product on the exchange at a small charge for the services of members.

Turpentine.—The market here was more active, demand being stimulated to some extent by developments in the South where business broadened.

The local price trend was upward.

Chicago—June 20

Turpentine fairly active. Ruling prices at the close of business last night were: —Five-drum lots, 48c. per gallon; five wood barrels, 52c.; single drums, 51c.; single barrels, 56c.

SAVANNAH, June 20.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	..	...	...	...	...
Monday	35	11,000	...	367	9,911
Tuesday	35½	25,550	440	113	10,238
Wednesday	36¾	11,500	316	223	10,331
Thursday	37	12,150	185	...	10,136
Friday	36½	5,250	263	110	10,669

* No trading.

JACKSONVILLE, June 18.—Turpentine stocks, 10,179 barrels.

PENSACOLA, June 14. — Turpentine stock, 9,587 barrels.

Rosin.—The market here was more active and stronger, influenced by an upturn in the primary center and by an announcement that government offerings of drums would be withdrawn until further notice.

JACKSONVILLE, June 18. — Rosin stock, 307,201 barrels.

PENSACOLA, June 14.—Rosin stock, 38,627 barrels.

Chicago—June 20

The rosin market is holding quiet and little changed. Most interest is in limited amounts. Ruling prices at the close of business last night in five-drum lots, were:—B grade, $2.92 per 100 pounds net; G grade, $3.17; M grade, $3.25; W.W. grade, $3.83.

SAVANNAH, June 20.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.65	$1.70	$1.75	$1.75	$1.75
D	...	1.86	1.93	1.97	1.97	1.89
E	...	1.86	1.93	1.97	1.97	1.89
F	...	1.86	1.93	1.97	1.97	1.89
G	...	1.86	1.93	1.98	1.83	1.89
H	...	1.87	1.93	1.97	1.88	1.90
I	...	1.86	1.93	1.97	1.91	1.92
K	...	1.95	1.94	2.00	1.94	1.95
M	...	1.95	2.00	2.05	2.00	2.01
N	...	2.07	2.13	2.19	2.19	2.19
WG	...	2.24	2.27	2.31	2.36	2.36
WW	...	2.46	2.45	2.53	2.56	2.51
X	...	2.46	2.45	2.53	2.56	2.51
	Barrels					
Sales	...	593	504	883	1,312	156
Receipts	...	631	1,251	653	770	769
Shipments	...	1,108	521	41	...	597
Stocks	...	...	...	...	...	145,766

* No trading.

Other Naval Stores

Pine Oil.—Quotations maintained. Tone steady. Trade fairly active.

Pitch.—Inquiries received more numerously. Market firm.

Rosin Oil.—Prices generally held at former levels. Demand fair.

Tar.—Steady contract movement. New business fair. Prices steady.

Varnish Gums

Copals.—Trade moving in steady groove. Offerings on demand unchanged. Prices firm and unrevised. The quota for exports from the Belgian Congo of copal of "Lake Leopold II" grade has been increased to 600 metric tons for the period June 1 to November 30, 1941, compared with a quota of 509 tons in the previous six months' period. The quota for other copal has been increased to 5,400 tons for the current quota, compared with a former quota of 2,376.

Dammars.—Suppliers reported unchanged market conditions last week, with demand fair and prices firm.

Synthetic Resins

Ester Gum.—Demand continued fairly heavy. Shipments remained large and regular. Prices were firm and unchanged.

Chlorinated Rubber.—Good movement reported. Tone stable.

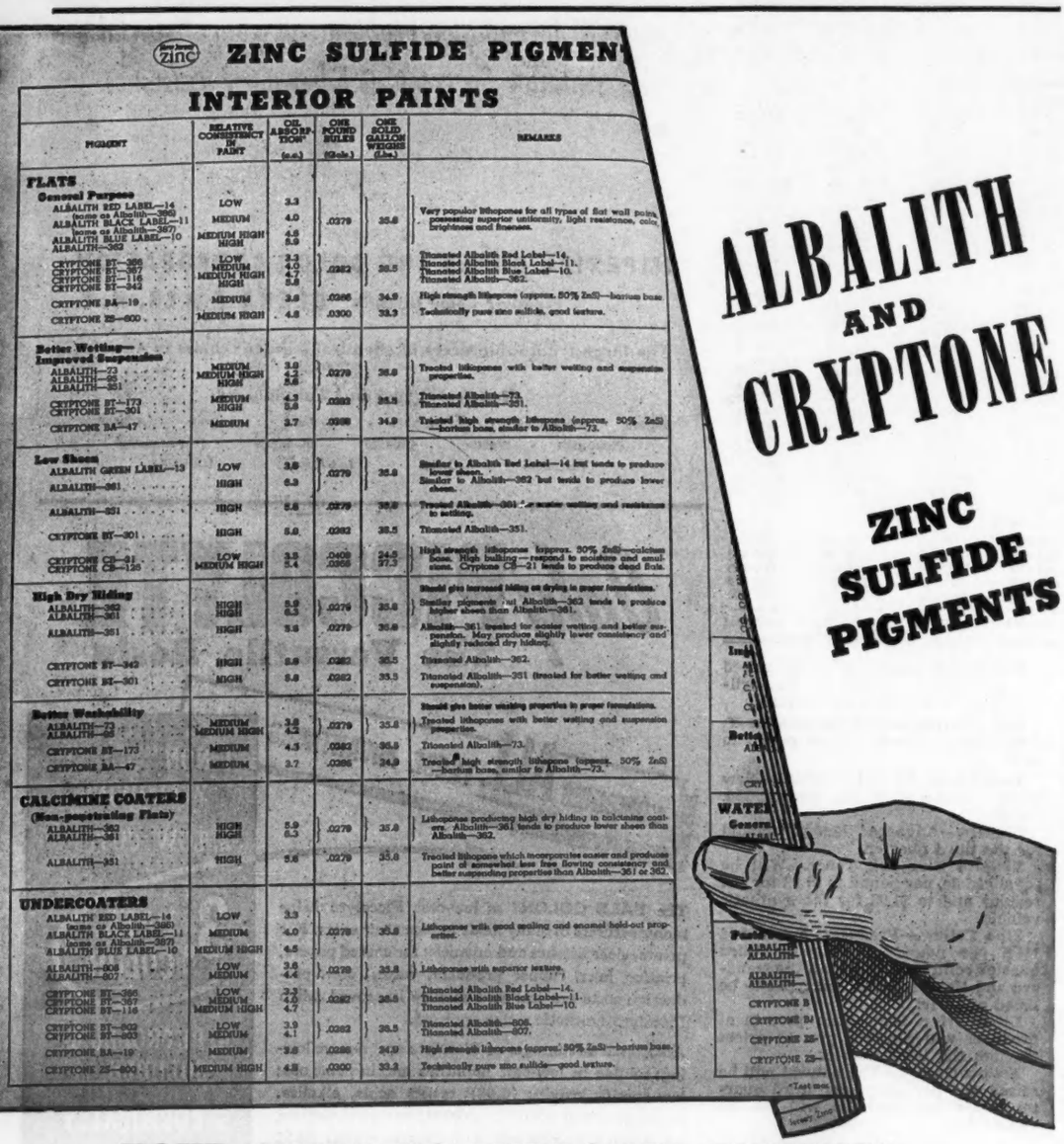
Glues and Binders

Casein.—Demand for domestic and Argentine casein remained very active last week. Offerings were limited due to the tight supply situation. Prices were very firm but unchanged.

Glues.—Hide and bone glues were in good demand but material was scarce. All prices were nominal.

Paul Leaves National Lead For OPM Post in Wash.

M. Rea Paul has been released from his duties with National Lead, this city, to accept an appointment in Washington as consultant, to assist J. B. Davis, special advisor to the protective coatings section of the division of Purchases, of the Office of Production Management. The appointment is effective immediately. Mr. Paul's new address is Room 5330, Social Security building.



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Flag Use Proscribed In Liquor Advertising

—Continued from page 5

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As a sort of reminder for Flag Day the Rainbow Division Veterans released a statement last week on the efforts of Captain James P. McGovern to get the house to pass the flag-protecting bill of Senator Andrews (S. 218) which was passed by the senate about three months ago. Special reference was made to Captain McGovern's refutation of the statement of Representative Hatton W. Sumners, chairman of the committee in which the Andrews bill reposes, that desecrations of the flag are best dealt with by local laws and officials.

Lead Pigment Exports Licensed to British

—Continued from page 3

For lead pigments, the additional unlimited licenses have been issued to the following areas:—

Aden, Anglo-Egyptian Sudan, British East Africa, British Guiana, British Honduras, British Malaya, British West Africa, Burma, Ceylon, Cyprus, Falkland Islands, Gibraltar, Hong Kong, India, Ireland (Eire), Jamaica, Leeward Islands, Mauritius, New Guinea (British), Northern Rhodesia, Oceania (British), St. Helena, Seychelles and Dependencies, Southern Rhodesia, Trinidad and Tobago, Windward Islands.

For abrasives and abrasive products (wheels of emery, corundum, and garnet; artificial abrasives, crude and in grain; wheels of artificial abrasives; abrasive paper and cloth; other artificial abrasives, hones, whetstones, etc., except steel abrasives), unlimited licenses have been issued for the areas listed above and for the following:—

Australia, Bahamas, Barbados, Bermuda, Egypt, Newfoundland, New Zealand, Palestine and Trans-Jordan, Union of South Africa.

Navy Painting Strike Nipped by Agreement

Speedy and successful application of the "no-strikes" agreement on national defense painting work, signed March 18 by the Painting and Decorating Contractors of America and the Brotherhood of Painters, Decorators and Paperhangers, is reported in the leading article of *National Painters Magazine* for June. The strike, ended in four days of investigation by telegram and long-distance telephone, threatened to affect important operations in the naval supply depot at Oakland, Cal.

The employers' and employees' associations had voluntarily agreed that "there shall be no strikes or lockouts on defense work until after a full investigation and effort has been made towards an amicable settlement . . .," and also that where a predetermination of wages had been established, such wages would be continued until the completion of the job in question. The issue at the Oakland naval supply depot was one of wages, according to *National Painters Magazine.*

Four local unions of painters were involved. They went out June 3. The national officials of the two associations were informed and invoked the terms of the "no strike" agreement. June 6, when the Bureau of Yards and Docks of the Navy Department in Washington wired the contractors' association inquiring if anything had happened to abrogate the agreement, the contractors' officials were able to wire back that a settlement of the naval depot phases of the strike had been effected.

Asbestos Uses Discussed

The uses, history and characteristics of asbestos are discussed in the June issue of Priorities, house magazine of the Prior Chemical Corporation, this city. The story tells of the use made of asbestos in a neat piece of blitz diplomacy by an ancient king of France. It also relates how a clever publicity stunt of a generation ago led to the establishment of a great business enterprise and the practical employment of a highly useful material.

Abbott Laboratories, Chicago, has purchased through its Canadian subsidiary a five-story building in Montreal.

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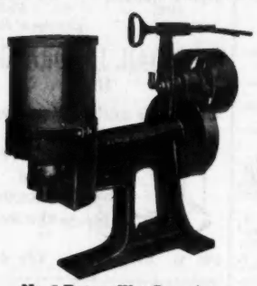
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Balto. Production Club Elects Finck President

Baltimore, June 16, 1941

David N. Finck, of Hanline Brothers, was elected president of the Baltimore Paint and Varnish Production Club. Dr. S. Ira Wilbur, of the Crown Cork & Seal Company, was named vice-president; Francis Scofield, secretary, and William J. Meichner, of the Hirshberg Paint Company, treasurer. The club has voted to meet on the first Fridays in July and August.

Schneider Heads Chi. Production Club Slate

Chicago, June 16, 1941

Emory F. Schneider, of Stille-Young Corporation, was nominated to the presidency of the Chicago Paint and Varnish Production Club at the annual Past Presidents' Night held at the Svithiod Club. Other nominations were vice-president, H. G. Bogie, of the Sherwin-Williams Company; treasurer, A. P. Stresen-Reuter, of Frederick A. Stresen-Reuter Company, and secretary, L. O. Smith, of T. F. Washburn Company.

Books You Can Use

Printing Inks

Printing and Litho Inks. By Herbert J. Wolfe. Cloth; 423 pages, 6 by 9 inches. New York: McNair-Dorland Company. $6.

This is the third and a completely revised edition of a volume previously published under the style of "Manufacture of Printing and Lithographic Inks." The work first presents a brief history of printing inks and a review of the general characteristics of inks. There follow comprehensive discussions of printing ink vehicles, solvents for inks, and pigments. In addition to the general discussion on pigments, specific chapters treat the natural mineral pigments, manufactured mineral pigments, organic pigments, and black pigments. Subsequent chapters discuss resins, driers and drying, ink compounds, and addition agents.

The final portions of the volume are devoted to descriptions of finished inks. Among the varieties treated are typographic printing inks, planographic inks, intaglio printing inks, new types of inks, and special inks. The concluding chapters of the book discuss the factory equipment employed in the manufacture of inks and the apparatus used in testing the raw materials and finished product.

Detroit Production Club Golf Cup Won by G.J. Lahr

Detroit, June 16, 1941

George J. Lahr, of Berry Bros., Inc., topped forty-seven other contenders to cop the Reichold Golf Trophy at the annual outing of the Detroit Paint and Varnish Production Club, held last week near Amherstberg, Ontario, Canada. Other activities engaged in were baseball, horseshoe pitching, nail driving, golf putting and egg throwing.

McK.& R. Underwriting Form Approved by Judge Coxe

Federal Judge Coxe, this city, has signed an order approving form of agreement to be used in underwriting the new securities of McKesson & Robbins, Inc., called for the reorganization plan. Authorization was also given W. J. Wardall, trustee, to set the date on which the formal transfer of assets should be made to the reorganized company if an agreement on the underwriting were made, and to take all necessary steps to consummate the plan of reorganization.

Consolidated net sales of McKesson & Robbins, Inc., in May were 22.22 percent higher than in the corresponding period of 1940, according to preliminary figures just released by William J. Wardall, trustee. Sales for the month were $14,624,272 compared to $11,964,974.

Fluorspar Shipments Up

Fluorspar shipped from mines in the United States in 1940 amounted to 233,600 short tons, compared with 182,771 short tons in 1939. Sales were made to the following industries:—Steel, 162,772 short tons; foundry, 2,829 short tons; glass and enamel, 20,269 short tons; hydrofluoric acid, 33,608 short tons, and miscellaneous, 5,640 short tons. Exports amounted to 8,482 short tons. Imports totaled 11,871 short tons.

Corning Glass Works, Corning, N. Y., has just released its 'Pyrex' laboratory catalog No. LP-21. Having 160 pages, the catalog lists 2,700 items.

Oil, Fats, and Waxes

Refined Cottonseed Oil Futures Up to New Highs — Hogs and Lard Stronger—Fatty Acids Advanced—Soybeans and Oil Higher — Coconut Firm — Trade Fairly Active

A firm tone continued to prevail in the market for miscellaneous oils, fats and greases last week although there was not much snap to business in the absence of any increase in supplies. A fairly active request was noted for small or moderate lots of various products, however, and the trend of prices continued upward, especially as cottonseed oil rose to new high levels for the season.

In a survey of the oils and fats situation, the Bureau of Agricultural Economics at Washington stated that present indications point to a smaller reduction in the output of lard and greases in the United States this year than had been anticipated earlier. With production of butter, cottonseed oil, linseed oil, and peanut oil currently above last year's levels, total production of fats and oils from domestic materials may be slightly larger in 1941 than the record output in 1940. Much will depend, however, on the outturn of field crops this year, according to the bureau. Crop conditions are reported to be generally favorable at present except in the Southeast, where there is a shortage of moisture.

Vegetable Oils

Castor, Dehydrated.—Output moving steadily on contracts and new orders. Market firm.

Chinawood.—Inquiry fairly active. Offerings light, spot and arrival. Tone firm.

WASHINGTON, June 20.—No tung oil arrivals at Hankow in May, according to Hiogram to Department of Commerce. Only sale 270 tons by German firm. May price opened at 270 Chinese dollars per picul; closed 380. Stocks May 30 estimated 1,430 tons. Hongkong receipts in May 80 tons. Stocks estimated 500 tons.

Coconut.—Crude scarce on spot; nominal at 7c. per pound, tankcars. Sales reported August forward delivery 6¾c. Refined unchanged; demand fair.

Corn.—Crude up ⅜c.; refined ¾c.; both nominal. Good inquiry. Offerings limited.

Cottonseed.—Edible oil up ½c. Demand increased.

Oiticica.—Inquiries more numerous. Offerings light. Market firm.

Olive.—Domestic edible oil up 20c. per gallon on further shrinkage in supplies. Good inquiry, all kinds.

Peanut.—Crude up ¼c.; refined ½c., nominal.

Perilla.—Inquiry better. Offerings light. Tone firm.

Rapeseed.—Denatured up 1c. Spot stocks diminishing. Shipment offerings light. Inquiry more active. Blown up ½c.

Soybean.—Quotations up ½c. to ¾c. Beans higher. Oil active.

Price Changes

Advanced

Capric acid, 1½c. per lb.
Coconut oil fatty acid, 1c. per lb.
Corn oil, crude, ⅜c. per lb.
refined, ¾c. per lb.
Cottonseed oil, crude, ½c. per lb.
edible, ½c. per lb.
fatty acid, 1½c. per lb.
Lard, 25c. to 35c. per 100 lbs.
Lard compound, $1 per 100 lbs.
Linseed meal, $1 per ton.
Olive oil, domestic, 20c. per gal.
Palm oil fatty acid, ½c. per lb.
Rapeseed oil, 1c. per lb.
blown, ½c. per lb.
Soybean meal, $1 per ton.
Soybean oil, ½c. per lb.
fatty acid, 1c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
156.2	**155.6**	**155.4**	**101.9**

Market news that may have developed after this report was sent to press will be found on page 4.

Cottonseed Oil

The highest prices recorded for cottonseed oil in more than four years were established last week. In the market for refined oil futures on the New York Produce Exchange the September delivery sold at 11.86c. per pound and October 11.76c. per pound.

These abnormally high prices resulted from active consumer and speculative buying, based mainly on evidences of a marked increase in consumption owing to the war in Europe and sharply reduced importations of vegetable oils used in the manufacture of shortening and various other edible and technical products.

Recently there has also been considerable buying on unfavorable reports concerning the progress of the new cotton crop and fears that production of cottonseed oil for the season starting August 1 may fall below the requirements of consumers. Crude cottonseed oil sold in the South last week at 10½c. per pound. This compares with 4⅝c. in August, 1939, just prior to the start of the war. At that time refined cottonseed oil futures were quoted at 5.59c. for September delivery and 5.71c. for October.

Consumption of refined cottonseed oil during ten months of the current season ended with May was 3,265,540 barrels against 2,881,317 barrels in the corresponding period in the previous season. The carryover at the close of the current season on July 31 is estimated at 950,000 barrels against 1,348,300 barrels at the close of the previous season.

Estimates of the growing cotton crop in some cases are around 11,000,000 bales, which would provide about 2,750,000 barrels of refined cottonseed oil for the coming season, including the estimated carryover. The total consumption last season was 3,265,540 barrels.

futures on the New York Produce Exchange, from June 16 to June 20, inclusive. Following is a price record for the week:—

	High.	Low.	Close.	
	—Cents per pound in tanks—			
July	...	...	10.40	bid
October	...	...	9.95	bid

Markets at Other Centers

Chicago, June 20.—Vegetable oils quiet.

COCONUT. — Refined, edible, 13c. to 13¼c. per pound, drums, car lots; 13½c. to 13¾c., drums, less car lots.

CORN.—Crude, mills, 11¼c. to 11½c. per pound. Refined, edible, 13¼c. to 13½c. per pound, drums, car lots; 13¾c. to 14c., drums, less car lots.

SOYBEAN.—Crude, June-forward, 9¾c. to 10c.

The market for soybean futures on the Chicago Board of Trade was active. Price trend mainly upward. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing June 20.	Closing June 13.
Cash, No. 2	$1.42¼	$1.39½	$1.42¼	$1.36½
July	1.43⅞	1.38⅝	1.42⅝	1.39½
October	1.34½	1.29¼	1.33⅞	1.30

San Francisco, June 18.—General tendency of crude and refined vegetable oils was to stiffen moderately with tightness in the supply.

COCONUT.—Quoted 6c. per pound in tankcars, f.o.b. Pacific Coast ports following business at 5¾c. and 5⅞c. Situation acute owing to lack of transport.

CHINAWOOD.—"Free" oil 33½c. per pound in drums.

OITICICA.—Liquid 19c., f.o.b. San Francisco.

BABASSU.—Quoted 8¾c. per pound in tankcars, f.o.b. Pacific Coast mills.

COTTONSEED. — Crude oil quoted 10½c. per pound in tankcars, f.o.b. northern California.

PERILLA.—Quoted 17⅜c. per pound in tankcars, f.o.b. Pacific Coast for June-July shipment.

RAPESEED.—Argentine oil, refined and denatured, June-July shipment from the Pacific Coast, quoted at 7¾c. to 8c. per pound in tankcars.

Linseed Oil

Flaxseed firm in domestic markets. Linseed oil steady. Meal higher.

Flaxseed—DULUTH, June 20.—Flax advanced on increased demand. The Northwestern flax area has received further good general rains, placing the crop in an excellent position.

The week's closing flaxseed price range was as follows:—

	Cash.	July.
Saturday	$1.85¾	$1.80¾
Monday	1.87¼	1.81¼
Tuesday	1.86¾	1.81⅝
Wednesday	1.86¾	1.81¼
Thursday	1.86¼	1.81⅛
Friday	1.88½	1.82¼

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week..	43,216	21,745	122,005	.....
Since Aug. 1.	11,105,079	4,637,592	8,606,905	4,180,221

MINNEAPOLIS, June 20.—Tone of cash flax market was strong and premiums on better quality gained a full cent when other than crusher competition appeared. Crushers are much more interested in domestic flax because of difficulty in securing ocean freight to carry Argentine supplies to this country. This nullifies the effect of talk of reduced import duties on Argentine flax and stimulates the demand for what domestic seed there is on hand and in sight. Offers of new-crop seed to arrive were liberal for a time, but are now light. A few days of sunshine and higher temperatures improved the crop outlook measurably. Fields are drying up and plant growth is much more rapid because of good moisure and strong root growth.

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Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

The week's flaxseed price range was as follows:—

	Cash.	July.	Sept.
Saturday	$1.85⅝	$1.80⅝	$1.83½
Monday	1.86¼	1.81¼	1.84
Tuesday	1.87⅛	1.81⅜	1.84¼
Wednesday	1.87⅛	1.81¼	1.83½
Thursday	1.87¼	1.81¼	1.84
Friday	1.88½	1.82½	1.85

Crop movement in bushels follows:—

	Receipts		Shipments	
	1941.	1940.	1941.	1940.
This week	153,400	30,800	40,000	36,800
Since Sept. 1	11,241,200	4,055,600	1,916,600	2,264,500

WINNIPEG, June 20.—The week's closing flaxseed price range was as follows:—

	Cash.	July.	Oct.
Saturday	$1.53¾	$1.53	$1.50
Monday	1.51⅝	1.52¼	1.49½
Tuesday	1.50⅝	1.51	1.48¼
Wednesday	1.48⅞	1.49¼	1.47
Thursday	1.48⅝	1.49	1.47
Friday	1.50⅜	1.50⅝	1.47⅞

BUENOS AIRES, June 20.—Flaxseed, August, 70¼c. per bushel. Exports this week, 819,000 bushels, including 583,000 to the United States. Total since January 1, as follows:—

To—	Bushels This year.	Last year.
United States	7,618,000	8,156,000
United Kingdom	877,000	5,404,000
Continent	618,000	11,719,000
Orders	.....	598,000
Others	541,000	486,000
Totals	9,654,000	26,363,000

Visible Supply

	Bushels.
Last week	11,024,000
Previous week	8,661,000
Last year	4,724,000

Linseed Oil.—A firm tone prevailed in flaxseed markets last week and local quotations on linseed oil were generally stationary. Quiet conditions apparently ruled here much of the time, although there were reports of some increase in the inquiry from paint makers. There was a steady movement of oil from local mills to consumers on contracts, and advices from outside points also reported crushers as busy with deliveries. Demand for cash flaxseed was active in Northwestern markets. Crop accounts continued very favorable. Conference freight rates on shipments of flaxseed from Argentina to the United States have been extended through September on the current basis of $22 per ton, but independent interests advanced the rate to $24.

MINNEAPOLIS, June 20.—Demand for linseed oil is fair to good. Paint manufacturers are running at god speed and are low on oil stocks. Most of the fresh business is the paint trade, though interest is general. A lot of new-crop oil is being sold from day to day, in tankcar to round lots. Quotations on tankcar lots f.o.b. Minneapolis, 9.8c. per pound; cooperage car lots, 10.5c. per pound; and warehouse lots, 10.9c. per pound.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	5,450,000	2,950,000
Since Sept. 1	133,850,000	124,080,000

SAN FRANCISCO, June 18.—June first official estimate of California flax crop 3,195,000 bushels, against 2,814,000 in 1940 and 1,728,000 in 1939. Linseed oil more active. Sales at 9.3c., tankcars. Quoted today:—Tankcars, 9.5c. per pound; drum car lots, ex-mill, 10.2c. per pound; drum lots, ex-warehouse, 10.6c.

Cake and Meal.—The movement of meal showed some increase last week. Quotations advanced $1 per ton.

MINNEAPOLIS, June 20.—Crushers were resigned to a dull June meal market and up to ten days ago were not disappointed, but since then the situation has been in the seller's favor because of the strength in soybean and cottonseed meals and the general strong demand for fats and oils. Quotations on spot and nearby meal, $28 to $29 per ton; deferred, $29 to $29.50.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	4,680,000	2,600,000
Since Sept. 1	304,661,000	165,720,000

Cottonseed Oil

Refined cottonseed oil futures irregular after making new highs. Southern markets for cottonseed products firmer.

Cottonseed Oil.—Refined oil futures moved up to new high levels last week, September selling at 11.86c. and October 11.76c. Later there was some irregularity, due to long liquidation and more or less selling supposedly for short account on renewed talk of an unfavorable character as to the attitude of Washington officials concerning speculation and the possibility of an investigation of high prices. Prevailing sentiment remained bullish, however, and on all setbacks there was fresh support from trade and speculative interests, with commission houses buying the distant positions on unfavorable cotton crop reports.

Developments in outside markets were generally of a strengthening character, soybean futures rising sharply and the trend of various fats and oils being upward. Shortening was sharply higher. Demand for cash refined cottonseed oil was reported as good and predictions were heard of a bullish showing in the next monthly government cottonseed oil consumption report. Sales of crude oil were reported in the South at 10½c. Tallow appeared to be firmer. Coconut, corn and peanut oils were scarce on spot. Rapeseed oil advanced rather sharply on a shrinkage in supplies.

Receipts of hogs were lighter. Stocks of lard in Chicago increased 4,742,905 pounds during the first half of June against an increase of 5,720,649 pounds in the same time last year. Total stock in that city June 15 was 198,024,392 pounds against 189,018,638 pounds last year. The weekly government report stated that in the western part of the cotton belt there were unwanted rains and temperatures were too low for good growth but in the eastern belt seasonal temperatures and showers were decidedly beneficial.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from June 16 to June 20, inclusive, comprised 1,750 contracts. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	11.75	11.44	11.69@11.71
July	12.15	11.50	12.15@12.20
September	11.95	11.42	11.91 sale
October	11.85	11.39	11.80 sale
December	11.75	11.39	11.68 sale

Crude, Southeast, 10½c. Nom.

Chicago, June 20. — Cottonseed oil is fairly active. Refined, edible, drums, car lots, 12¼c. to 12½c. per pound; drums, less than car lots, 12¾c. to 13c.

Cake and Meal. — Higher prices quoted for spot meal in some sections. Fair demand.

Markets at Other Centers

Atlanta, June 18.—Prime crude cottonseed oil 10½c. per pound. Meal, 8 percent, $28 per ton. Cotton helped by showers.

Memphis, June 20.—Last sales crude cottonseed oil 10½c., Valley basis. Today, 10.62½c. bid. Only few scattered tanks now left this section. Meal, 41 percent, $26.50 per ton, Memphis basis. Bulk slab cake $23.50 per ton, Valley points. Bulk hulls $4 per ton. Demand improved. Crop news unfavorable. Meal for fall delivery made new season high today. No selling pressure. Weather warm and clear. Rain needed. Rainfall for season to date about 14 inches below normal. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	June 12.	June 19.
July	$25.40@25.50	$26.15@26.60
September	25.50@25.60	27.35@27.75
October	26.60@26.90	27.85@28.25
December	26.90@27.15	28.70@——
January	26.90@27.25	28.40@28.90

Closing soybean meal futures:—

October	$24.50@24.75	$25.60@——
December	24.50@24.80	25.45@25.60
January	24.75@——	25.50@25.75

Fatty Acids

Capric Acid. — Quotations up 1½c. Demand good.

Coconut Oil.—Steady demand. Raw material firm. Acid prices up 1c.

Cottonseed Oil. — Prices up 1½c. with basic material. Trade active.

Palm Oil.—Demand fairly active. Raw material in light supply. Acid prices up ½c.

Red Oil.—Steady movement to local and other consumers. Market firm.

Stearic Acid.—Raw material firmer. steady contract shipments. Transient trade fairly active.

Chicago—June 20

Fatty acids in good demand and firm. Corn oil, double distilled, 11½c. to 11¾c. per pound, tankcar; 12c. to 12¼c.; drums, car lots; 12½c. to 12¾c.; coconut oil, acidulated, 14c. to 14¼c. per pound, tankcar; 14½c. to 14¾c., drums, car lots; 15c. to 15¼c., drums, less than car lots; cottonseed oil, double distilled, 9¾c. to 10c. per pound, tankcar; 10¼c. to 10½c., drums, car lots; 10¾c. to 11c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅝c. to 3⅞c.; boiled down soap stock, 65 percent basis, 4⅜c. to 4⅞c.; cottonseed foots, 50 percent basis, 2⅝c. to 2¾c.

Fish Oils

Menhaden.—Refined oil firm. Fair small-lot movement.

Sardine.—Consumers purchasing refined only for current needs only. Market firm.

Sperm. — Purchasing conservative. Prices maintained.

Whale.—Refined oil buying limited to small lots. Prices steady.

Markets at Other Centers

Baltimore, June 18.—Crude menhaden oil quiet. Producers generally asking 52 cents per gallon; some higher. Buyers' ideas 50 cents. Florida fishing reports somewhat better. Expected all Chesapeake Bay factories have boats out soon.

San Francisco, June 18.—Crude sardine oil sold at 55c. per gallon for new season production. Trade estimates approximately 100 tankcars making total for season 575 tankcars, none of which has been manufactured or delivered.

While California operations are not scheduled to get under way until August, it was said here this afternoon that the first of the boats to operate off the Oregon-Washington Coast had put out and that they were expected to return shortly with catches. Sales are said to have been made against this anticipated production of northern oil.

Fats and Greases

Grease.—Small-lot demand more active. Offerings light. Tone firmer.

CHICAGO, June 20.—Choice white grease, 7½c. to 7¾c. per pound; yellow, 6⅞c. to 7c.

Lard.—Local cash prices firmer. Trade fairly active.

CHICAGO, June 20.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing June 20.	June 13.
Cash	$10.27	$10.07	$10.27	$10.07
July	10.52	10.20	10.42	10.22
October	10.77	10.52	10.75	10.52

Stearin.—Spot stocks generally light. Fair request. Market firm.

CHICAGO, June 20.—Prime oleo stearin, 9c. to 9½c. per pound.

Tallow.—Increased request for small or moderate lots. Large buyers holding off. Offerings light. Tone firmer.

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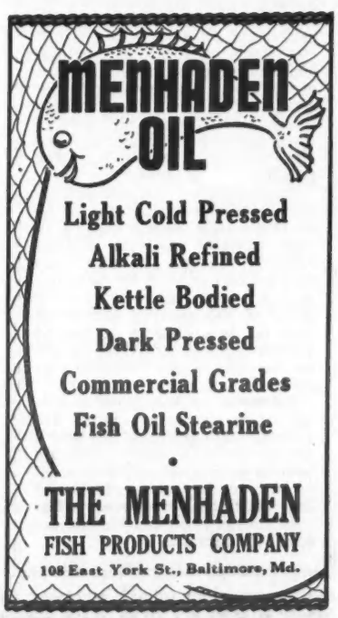

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CHICAGO, June 20.—Prime inedible tallow, 7¾c. to 8c. per pound; special, 7⅜c. to 7½c.

Animal Oils

Lard.—Quotations stationary. Fair movement of moderate lots.

CHICAGO, June 20.—No. 1 lard oil, 11½c. to 11¾c. per pound.

Neatsfoot.—Prices maintained at former levels. Demand fair.

Oleo.—Inquiries for moderate spot lots more numerous. Market firm.

CHICAGO, June 20.—Extra oleo oil, 11c. to 11½c. per pound.

Tallow.—Quotations advanced ¼c. Trade fair.

CHICAGO, June 20.—Acidless tallow oil, 11c. to 11½c. per pound.

Waxes

Bayberry.—Steady prices. Not very active.

Bees.—Crude strong. Scarce. Import difficult. Prices high. Situation creates strong position bleached and refined waxes. Sellers reserved. Offerings moderate. Prices tend upward.

Candelilla.—Moving well. Prices very firm. No competition.

Carnauba.—Most dealers report firm prices. Scalpers at times name profit-taking prices out of line with present replacement costs. Demand holds fair.

Japan.—Steady to firm. Reasonably active.

Ouricury.—Oversold position of some importers reported growing. Price already so high as to curtail consumer interest. Few can offer spot goods.

Castor Seed Growing Backed by Government

OPD Washington Bureau
June 16, 1941

Motivated by a possibly greater stringency of ships for the importation of tung oil and castor beans, the Department of Agriculture has launched an emergency castor bean production program designed ultimately to furnish this country with a supply of adapted seed stocks in the event defense developments should make it expedient to increase domestic castor oil production in 1942.

The program will be limited to eleven counties in the black-land area north and south of Dallas, Texas. It will be carried out in cooperation with the Texas Power & Light Company, which has most of the available adapted seed stocks and technical information which it has acquired in its experiments with castor beans as a possible new crop in the agricultural territory it serves. The company is donating the seed and the services of some of its technical personnel.

It is contemplated that approximately 1,700 acres of castor beans will be planted in the Texas counties. To encourage the planting, farmers cooperating in the Agricultural Adjustment Administration program in the eleven counties will be offered 3½ cents a pound for cleaned seed and will be exempted from deductions from their 1941 agricultural conservation program payments for excess soil-depleting acreage equal to acres of 5 percent of the cropland, whichever is the greater, where the excess is due to the planting of castor beans.

Planting seed of four varieties, which tests during the past several years show are the best now available in the required quantities will be distributed in the eleven Texas counties to cooperating farmers. The Commodity Credit Corporation will finance the purchase of the harvested beans. The beans purchased will be hulled and cleaned for storage in approved warehouses pending the determination of whether a further expansion in domestic production in 1942 is desirable. County extension agents and AAA county committeemen will acquaint farmers with the details of the seed program.

Trade Briefs

Crude Oil deliveries through Eastern pipe lines reached a record 22,850,000 barrels in May, a gain of 1,840,000 over May, 1940.

A. W. Clinger of the Penzoil Company has been elected president of the Purchasing Agents' Association of Northwestern Pennsylvania.

Owens-Illinois Glass Company, Toledo, has given its workers in nine glass container factories wage increases ranging from three to five cents per hour.

Robert M. Wetherhold, of the purchasing department of National Oil Products Company, Harrison, N. J., has been elected president of the firm's athletic association.

Union Oil Company, Los Angeles, recently honored with the presentation of gold watches nineteen employees who have been with the company for thirty years or more.

Robert D. Grier, of the Grier Oil Company, distributor of oils, Statesville, S. C., has applied for membership in the New York Produce Exchange.

W. C. Hardesty Company, manufacturer of stearic acid, red oil and hydrogenated fatty acids, is building a 3,000 square-foot addition to its Los Angeles plant.

United Zinc Smelting Corporation workers at the Moundsville, W. Va., plant last week voted to strike for higher wages, but deferred on actual walkout pending further negotiations.

Colgate-Palmolive Company has been formed by the Colgate-Palmolive-Peet Company, Jersey City, to handle sales in foreign countries which were formerly made through agents.

Westinghouse Electric & Manufacturing Company, Schenectady, N. Y., has developed a new, white plastic finish, capable of indefinite resistance against the combined attacks of high temperature, corrosive fumes and humidity, to protect dials on the latest types of industrial and military instruments.

Viscosimetry of opaque liquids by an improved falling-ball method is described by Irvin Levin, of Sealtest, Inc., in *The Chemist Analyst*: xxx,2, published by the J. T. Baker Chemical Company, Phillipsburg, N. J. This May issue of the publication also contains a generous supply of its customary laboratory hints.

St. Louis Chemical & Manufacturing Company, 2500-10 Texas avenue, St. Louis, has purchased the property it has occupied for the last two years and has expanded the plant about 5,000 square feet. The company manufactures vegetable adhesives, sizing starches, dextrines and various chemical compounds.

Neatsfoot Oil Tariff Bargain Considered for Argentina

OPD Washington Bureau
June 16, 1941

The Department of State has added neatsfoot oil and animal oils known as neatsfoot stock to the list of products on which the United States will consider the granting of concessions to Argentina. The department has announced that concessions on products not included in the list would not be considered unless supplementary announcement is made.

Formal additions to the list were as follows:—

1930 tariff act paragraph.		Present rate of duty.
52	Neatsfoot oil and animal oils known as neatsfoot stock.	20% ad valorem
Internal revenue code section.		**Present rate of import tax.**
2491 (a)	Neatsfoot oil and animal oils known	

Cottonseed Crushings Up

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held from August 1 to May 31, 1941, and 1940, according to the Census Bureau, were as follows:—

Cottonseed

	Tons	
	1941.	1940.
Receipts	4,428,558	4,028,787
Crushed	4,198,791	4,052,685
On hand, May 31..	268,609	96,728

Crude Oil

	Pounds	
	1941.	1940.
Produced	1,356,196,561	1,291,722,061
Shipped	1,334,584,037	1,308,211,707
On hand, May 31..	97,102,627	98,842,962

Refined Oil

	Pounds	
	1941.	1940
Produced	1,219,001,734	1,192,132,389
Shipped	.....	.....
On hand, May 31..	422,442,586	600,480,352

Cake and Meal

	Tons	
	1941.	1940.
Produced	1,865,305	1,836,486
Shipped	1,689,778	1,827,031
On hand, May 31..	255,028	129,173

Hulls

	Tons	
	1941.	1940.
Produced	1,056,312	1,029,163
Shipped	881,334	1,060,207
On hand, May 31..	195,892	46,043

Linters

	Bales	
	1941.	1940.
Produced	1,146,951	1,046,190
Shipped	1,050,549	1,280,472
On hand, May 31..	225,742	245,034

Oil Firms Plan to Appeal Discredited Judge's Decision

Philadelphia, June 17, 1941

Eight oil refining companies are preparing to request a U.S. Circuit Court of Appeals investigation of a patent suit decision written by retired Judge J. Warren Davis, now under fire in another case. The 1935 patent case decision handed down by Judge Davis, now free in $5,000 bail pending trial on charges of conspiring to sell justice in a bankruptcy case, is being used to press large claims against the oil firms, counsel for the companies maintains.

Morpholine Suggested For Mildew-Proofing

OPD Washington Bureau
June 20, 1941

A new process for making cotton and other fabrics mildew resistant has been developed in the Department of Agriculture. A public service patent, just allowed to Helen M. Robinson, who developed the treatment in her research in the Bureau of Home Economics, will make the process available for anyone to use without payment of royalty.

The new process, the bureau points out, has several advantages over older treatments. Besides being very effective as a protection against mildew and rotting, it is comparatively inexpensive, non-toxic, and has value for home as well as commercial use. Army officials have requested details of the process for use on tents, tarpaulins, and sandbags. Individuals may apply it to sails, awnings, shower curtains, and other fabric equipment often attacked by fungi and bacteria.

The treatment depends upon forming an insoluble compound between morpholine, a complex organic compound, and certain inorganic salts, principally those of cadmium and copper. The compound is formed directly in the fabric through immersing it under specified conditions first in a solution of cadmium or copper salts and then in morpholine.

Wegner Honored by D.I.T.

Otto Wegner, director of manufacturing and production for Nelson Baker & Co., drug manufacturer, Detroit, received an honorary degree as master of science in pharmacy, from the Detroit Institute of Technology at the annual commencement June 16.

Mr. Wegner has been well-known in the drug and cosmetic industry for over forty years. He is a member of the executive board of the Allied Drug and Cosmetic Association and a member of the American Pharmaceutical Association. He was graduated from the Detroit Institute of Technology in 1903.

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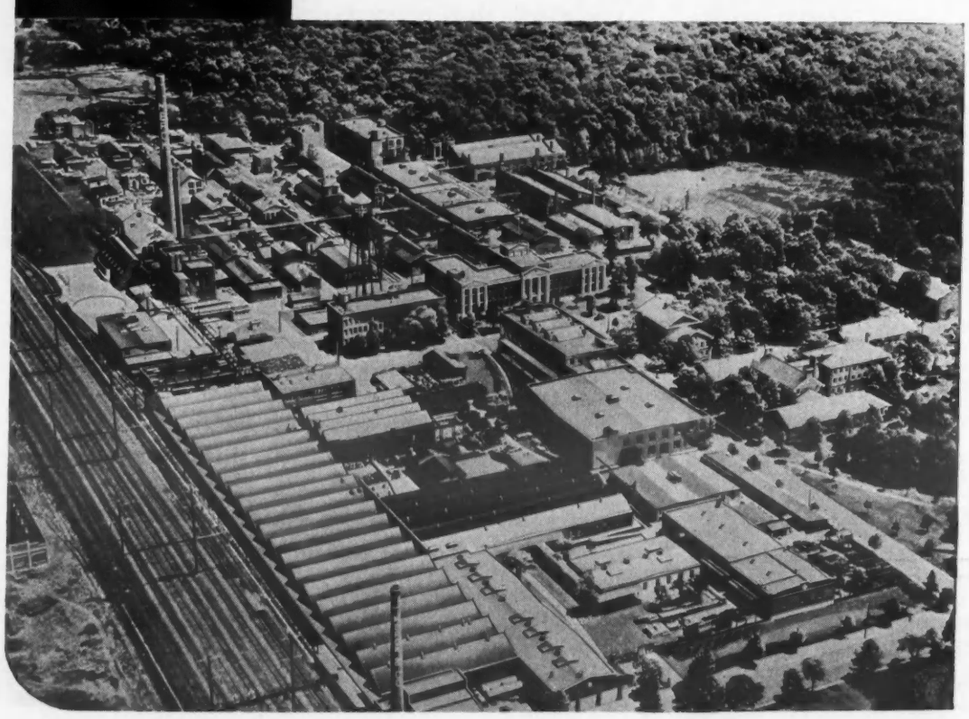

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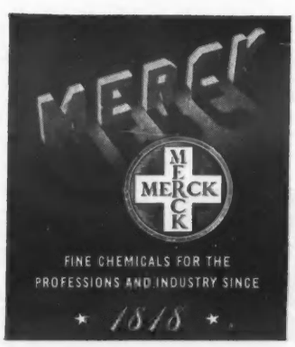

Drugs, Fine Chemicals

Group B Producers Natural Methanol and Methyl Acetone Advance Prices—Ephedrine Reduced—Attention Given Bismuth Exports—Castor Bean Season Ended

Products derived from destructive distillation of hard wood were to the fore last week in the market for drugs and fine chemicals. Methanol quotations named by the group B producers of the natural article put into effect an advance that, because of conditions, appeared to have been slated for some time past. Also, the same group producing methyl acetone established a substantially higher level of quotations.

The levels reached were still under those quoted by group A producers but the latter indicated that they have put into effect quotations directly in line with production costs established by investigation some time ago. Deliveries from group B producers had been negligable for a long time past. The lowest quotations on methanol prevail on the synthetic article, production of which has been reported severely curtailed by the need to increase output of ammonia. Of course, formaldehyde, hexamethylenetetramine, and paraformaldehyde fully reflect the inability of makers to get normal deliveries of raw material.

Quotations on ephedrine were reduced once more; price trend for a long time past had been consistently downward. Quicksilver remained strong. Strict control over bismuth sales, especially for export, was being exercised through the medium of export licenses being mandatory.

Minor alkaloids remained strong. At minimum prices, only driblet deliveries were being made and then only to regular customers. The open market prices of actual producers were far above some quotations made but they have been definitely confirmed by actual sale.

Acetone.—Firm at late advance. Open market material scarce. Production subject to apportionment.

Acid, Acetic.—Resale sellers withdraw U.S.P. prices.

Acid, Boric.—Meeting to consider end of 93 day strike in second largest producer's plant reported forced by 400 strikers signing "back-to-work" petition signed June 18. The petition charged presence of communistic tendencies by union leaders.

Acid, Citric.—Demand excellent. Production well engaged. Distribution wisely controlled. Actual home need coverage the object.

Acid, Gallic.—N. F., article in excellent demand. Prices firm.

Acid, Gluconic.—Firm under excellent demand.

Acid, Lactic.—U.S.P. position strengthening. Demand excellent.

Acid, Nicotinic.—Relief from supply being less than demand believed in sight.

Acid, Phosphoric.—Movement of U.S.P. good. Very firm undertone.

Acid, Pyrogallic.—U.S.P. firm in response to demand and raw material position.

Acid, Salicylic.—Raw material stronger. Demand for acid excellent.

Acid, Tartaric.—No relief from shortage. Fair raw material stocks still owned by producers. Future of such stocks doubtful as primary market sources dry up.

Alcohol.—Shortages reported. One customer of long standing says his distiller-supply won't supply a gallon. Others approached say they need every gallon to supply their regular customers. Blackstrap molasses prices firm but unchanged. Difference in sellers' views, though.

Aloin.—Demand substantial in very firm market.

Amidopyrene.—Moderate activity. Production costs tend to bring firmer prices.

Amyl Acetate.—Very firm. No surplus. Sellers reserved.

Amyl Chlorides.—Steady at apparently stable prices.

Antipyrene.—Routine demand. Price strength reflects stronger raw material position.

Atropine.—Strong position. No liberal supply. Production apportioned.

Price Changes

Advanced

Methanol, natural, group B producers, 10c. per gal.
Methyl acetone, natural, group B producers, 15c. per gal.

Reduced

Camphor, natural, Japanese, tablets, 1c. per lb.
Ephedrine, alkaloid, 10c. per oz.
Hydrochloride, 10c. per oz.
Sulphate, 10c. per oz.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
210.9	210.9	210.3	203.2

Market news that may have developed after this report was sent to press will be found on page 4.

Bismuth Metal

Bismuth metal and salts are on the Federal government list of materials subject to export control by license. Official export figures are not available but REPORTER records for the January-August period of 1939 show export of metal totalling 314,100 pounds, an increase of 40 percent over 1938, according to the Bureau of Mines. Domestic production in 1939 totaled 2,700,000 pounds, comparing with world production of about 3,000,000 pounds.

Estimated home consumption in 1939 totaled about 500,000 pounds, comparing with European consumption of 1,500,000 pounds and world consumption of about 2,600,000 pounds. Thus far, the war has been without effect on prices of metal, the ofcial quotation being $1.25 per pound in ton lots as of August 25, 1939, and being so quoted today. It appears that metal and salts were put under export license control for the purpose of giving the Federal government definite knowledge of where the products were going, to whom, and to give positive control over a metal having a substantial use in the production of alloys and other industrial products.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Amer. Phar. Mfrs. Ass'n, June 23-27, Swampscott, Mass.

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SODIUM AND POTASSIUM HYDROXIDE
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PROVIDENCE SAN FRANCISCO ATLANTA PORTLAND, ORE.
CHICAGO CHARLOTTE NEW ORLEANS TORONTO

Berberine.—Price range very wide. Little available at inside price.

Bismuth Metal and Salts.—Federal control seeks to prevent diversion to some buyers. Domestic consumers being supplied metal at stable prices. U. S. produces bulk of world production.

Borax.—Some hope for struck plant resuming production. Four hundred employees of second largest producer sign petition calling for return to work and charging communistic activities by union leaders. Loss of this production forced OPM to give borax full priority rating.

Cadmium. — Strength unchanged. Producers' quotations admitted to be nominal. Open market prices as high as $2 per pound has been asked. Very little open market stock. Producers quote 90c.

Caffeine.—Demand running high in strong market. Production well engaged. No surplus. Resales bringing from $8.25 to $9 per pound. Less call for resale stuff.

Camphor.—Japanese tablets slightly lower at 79c. to 80c. per pound. Slabs hold at 73c. to 74c. Synthetic strongly placed. Demand ahead of supply.

Castor Oil.—Brazilian market virtually closed. Raining. Few cabled offerings. Around $71 per long ton asked. Buyers' views not more than $66. Oil firm. Moving actively. Undertones show strength.

CHICAGO, June 19.—Castor oil prices are:—Cold pressed, U.S.P., returnable drums, car lots, 11¾c. per pound; drums, less than car lots, 12½c.; tanks, 10⅞c.; No. 3, extracted, returnable drums, car lots, 11⅛c.; drums, less than car lots, 12¼c.; tanks, 10⅜c.

Cocoa Butter.—Dull market. Quoted 23½c. to 24c. per pound. Sellers might shade.

Codliver Oil.—Leading suppliers reserved. Conserving recent imports from Iceland. Sending drums to Canada for oil bought. Newfoundland sounded for supplies. New U.S.P. article, oleovitamina, quoted around $1.75 per gallon. No wide interest yet. Educational work needed to popularize item.

Cream of Tartar.—Strong. Active. Limited in supply.

Diacetone Alcohol.—Firm to strong at late advance. Stocks limited.

Diethylphthalate.—Advance strongly supported. Little available for unrestricted trade.

Dimethylphthalate.—Good demand at recent price advance. Sellers reserved.

Ephedrine.—Reduced 10c. per ounce. Prices, 1,000-ounce lots: Alkaloid, hemihydrates, 60c.; anhydrous, 65c.; hydrochloride, 45c.; sulphate, 43c. Extension of long continued decline.

Ethyl Acetate.—Supply apportioned. Strong at recent rise.

Fish Liver Oils.—Interest active in firm to strong market.

SAN FRANCISCO, June 18.—Current feature in vitamin oils centers on higher

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Ethylene Diamine
Lecithin
Sodium Perborate
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potency A materials. Market steady. New price developments absent.

Ruling prices are:—

SAN FRANCISCO, June 11.—Fish liver oil market remains steady. Interest centers in higher potency vitamin A items. Shark livers arrivals not large yet. No change in quotations.

Ruling prices are:—

CRUDE SOUPFIN SHARK LIVER OIL.—High potency, 100,000 USP units vitamin A per gram, 8c. to 8¼c. per million units, f.o.b. Pacific Coast, in drums; medium potency, 50,000 to 80,000 units, 6⅝c.; 25,000 to 50,000 units, 6c.; lower potency, upwards of 10,000 units, 5¼c. to 5½c.

CRUDE TUNA LIVER OIL.—Ranging in potency, 20,000 USP units vitamin D per gram, 57½c. to 60c. per million units.

Formaldehyde. — Shortage acute. All sorts of resale prices heard. Rumored around 40c. to 50c. per pound. Producers hold basic schedule of 5.15c. per pound, car lots in drums.

Glycerin.—Very firm. Little resale activity beyond normal transactions. No price premiums mentioned. Crude in strong position. Sellers greatly reserved. Refiners maintain stabilized schedule. Sales in excellent volume.

CHICAGO, June 19.—Glycerin price. C.P., tanks, 14¼c. per pound; drums, car lots, 14½c.; less car lots, 15c.; cans, less car lots, 16½c. to 17c.; high gravity, tanks, 13¾c.; drums, car lots, 14c.; less car lots, 14½c.

Isopropyl Acetate.—Stocks moderate. Sellers reserved. Prices firm at late rise.

Mercurials.—Prices stabilized. No immediate change in sight. Raw material showing strength.

Mesityl Oxide.—Stabilized quotations. Fair demand.

Methanol.—Group B producers of pure natural item advance prices 10c. per gallon. Tanks, Zone 1, 40c. per gallon; Zone 2, 42c.; Zone 3, 44c.; Zone 4, 44½c. Drums, car lots, Zone 1, 45½c.; Zone 2, 47½c.; Zone 3, 49½c.; Zone 4, 51½c.; less car lots, Zone 1, 48½c.; Zone 2, 65½c.; Zone 3, 52½c.; Zone 4, 65½c.

Methyl Acetone.—Group B producers raise prices 15c. per gallon. Quotations follows:—Tanks, Zone 1, 50c. per gallon; Zone 2, 52c.; Zone 3, 54c.; Zone 4, 54½c. Drums, car lots, Zone 1, 55½c.; Zone 2, 57½c.; Zone 3, 59½c.; Zone 4, 61½c.; less car lots, Zone 1, 58½c.; Zone 2, 75½c.; Zone 3, 62½c.; Zone 4, 75½c. Zones by states listed in Prices Current.

Methylethyl Ketone.—Firm to firmer undertones governing prices at recent rise. Consumption increasing.

Methylisobutyl Ketone.—Sales volume growing. Very firm prices rule at late rise. Outlook excellent for future consumption.

Molasses.—Price views of sellers

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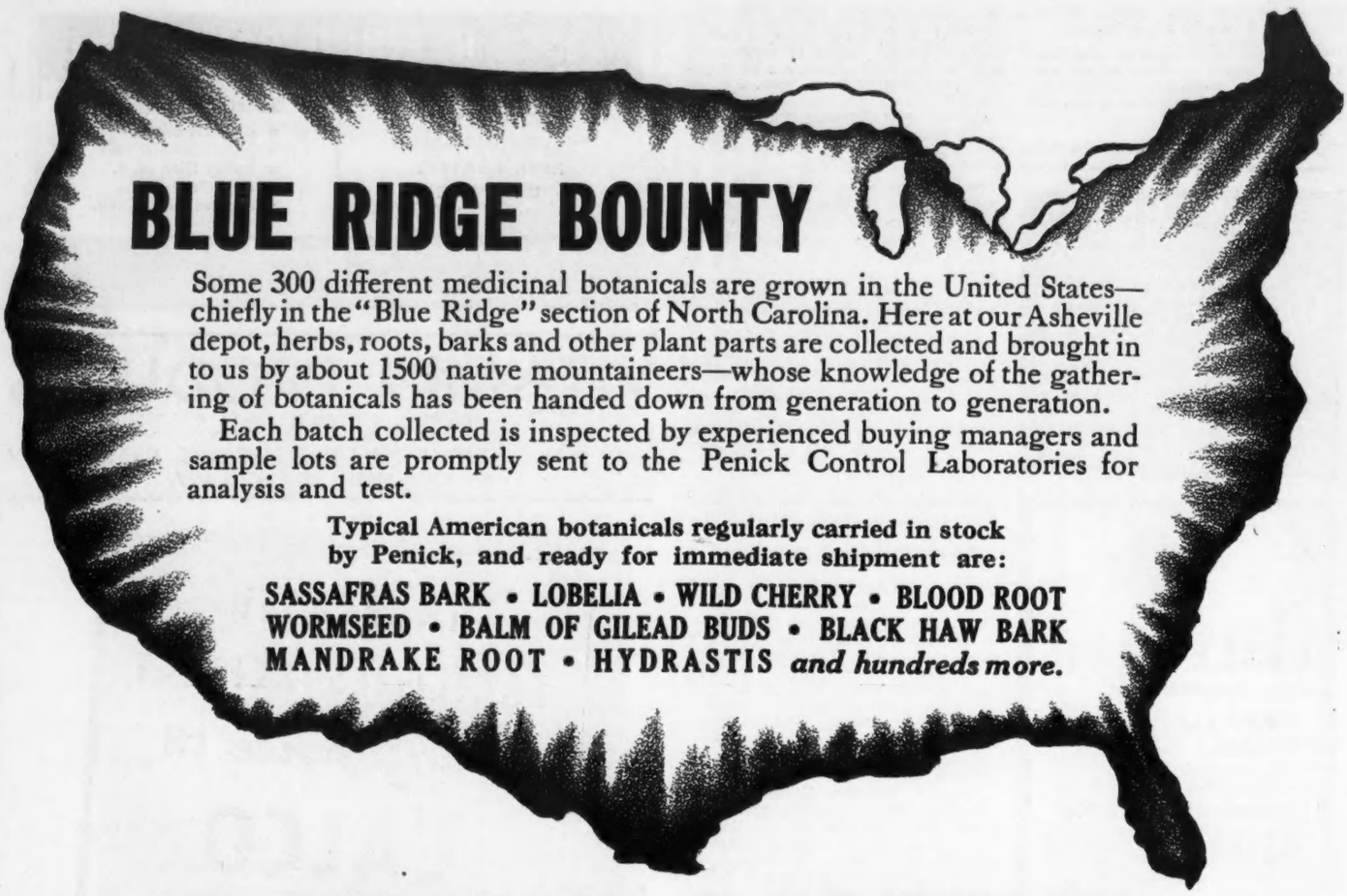

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

differ. Tanks, north Atlantic ports quoted 8½c. to 9c. per gallon. At Gulf ports, 8¼c. to 8½c. Strong, active market.

Quicksilver.—Advance strongly supported locally. Quotations firm at all points. Consumption running to excellent volume. Spot stocks small. Coast production well sold ahead. No surplus for quick delivery orders.

SAN FRANCISCO, June 18.—Market rising moderately. Sizeable parcels lacking. Demand and interest centers on contracts for fairly extended deliveries. Buyers and sellers apart on prices. Market $184 to $185 per flask, f.o.b. San Francisco. Production mounting. New mines opening. Larger part of production goes to filling previous contracts.

Quinine.—Strong undertone governs market. Present reserves protect needs well ahead. Japanese-Netherland Indies relations watched closely. Importance of South American bark may be emphasized by future developments. Recent substantial offering South American 6 percent bark excited little interest.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	24	34⅝	*
Monday	24	34⅝	23½
Tuesday	24	34⅝	23⅝
Wednesday	24	34⅝	23⅞
Thursday	24	34⅝	23⅞
Friday	24	34⅝	23⅞

* Market closed.

Methanol Shortage Jeopardizes Plastics

—Continued from page 5

business and to divert these stocks for the production of formaldehyde. This might cause a serious situation in the antifreeze market, since other antifreezes, such as denatured ethyl alcohol, glycerin, and ethylene glycol, also are scarce and have important defense uses. But, informed sources believe that the planning officials will see that sufficient antifreeze of some sort is available to the public next Winter.

Methanol producers are said to be willing to divert their antifreeze stocks to the production of formaldehyde, providing the plastics in which this material is used are essential to national defense and are not used for "gadgets" and nonessential purposes. New synthetic ammonia plants now under construction may relieve the pressure on methanol production capacity within a few months.

It thus appears that the need for nitrogen for munitions reflects back through methanol, formaldehyde, and plastics to penholders and dress ornaments, with the result that nondefense uses of plastics, at least of the formaldehyde type, may have to be curtailed.

Drug-Cosmetic Wage Minimum Set at 40 Cents

—Continued from page 3

chased for resale. Where an employee covered by the definition is employed during the same workweek at two or more different minimum rates of pay, he shall be paid the highest of such rates for such workweek unless records with respect to his employment in segregable occupations are kept by his employer in accordance with applicable regulations of the wage and hour division.

Every employer employing any employees so engaged in commerce or in the production of goods for commeree in the drug, medicine and toilet preparations industry shall post and keep posted in a conspicuous place in each department of his establishment where such employees are working such notices of this order as shall be prescribed from time to time by the Wage and Hour Division of the United States Department of Labor.

Obituaries

Edward J. Young

Edward J. Young, senior partner in the firm of Thurston & Braidich, gum and vanilla bean importer, this city, died June 14 at Brockville, Ontario, Canada, where he was buried. He was seventy-four years old.

Mr. Young was born May 1, 1867, in Jersey City, N. J. The original firm

Blackstone Studios

E. J. Young

from which Thurston & Braidich derived was founded in 1856 under the firm style of Haskell, Merrick & Bull. Ten years later, Mr. Haskell and Mr. Bull retired and Mr. Merrick began trading as T. B. Merrick & Co. The late William R. Thurston became a partner in 1876 and was joined by A. F. Braidich in 1880.

Mr. Young entered the employ of T. B. Merrick & Co., in 1880 as an office boy at the age of fifteen. Mr. Merrick retired in 1884 and the company then became known as Thurston & Braidich. Advancing through the business office and sales department, Mr. Young was named a partner in 1890. Mr. Young, who made vanilla beans his speciality, observed his golden business jubilee in 1932.

John M. Hood, Jr.

John M. Hood, jr., a former president of the Crown Cork & Seal Company, Baltimore, died June 16 in Lawrenceville, N. J. He was sixty-one years of age. Mr. Hood held positions with several railroads until 1907, when he was named a director of the cork company. Four years later he became secretary of the firm and advanced through the posts of second vice-president and first vice-president to president in 1914. He retired in 1923 and moved to California, where his official residence has been since that time.

Jay D. Rowe

Jay Delos Rowe, secretary of the Milligan & Higgins Corporation, glue and gelatin manufacturer, this city, died June 15 of a heart attack in his River Edge, N. J., home. He was sixty-two years of age. A native of Thorn Hill, N. Y., Mr. Rowe started with the company as an office boy forty-two years ago. He worked up through various positions in the office until 1924, when he was named secretary.

S. Edward Brewster, founder and former president of the International Seed & Fertilizer Company, Rochester, N. Y., died June 17 in that city. He was eighty-one years old.

M. Phillip Hansen, formerly president of the Terminal Oil Company, Los Angeles, died there recently. He was fifty-two years of age.

Henry J. Woodlock, president of the Schroeder Paint & Glass Company, Detroit, died June 14 in that city. He was seventy-nine years of age.

Botanical Drugs, Spices, and Gums

Cube and Derris Rise — Pyrethrum Powder and Concentrates Lower—Spanish Saffron Up Sharply—Powdered Papain Scarcer and Advancing—Ipecac Root Higher

Demand pressed less strongly last week in the market for botanical drugs without there being any inclusive or extensive recession or weakening of spot prices. On the contrary, the market appeared basically strong and exhaustion of dealers stocks of some items contributed to the maintainence of strength in all aspects of the market. European sources of supply remained effectively cut off. Chances of getting even occasional shipments of goods produced in the Mediterranean sea area were definitely poorer. Arrivals from primary markets of the Far East promised to be progressively less until such time as steamer service may improve. Taken in whatever aspect, there seemed to be no reason to look for lower prices on most botanical drugs, including those of domestic origin.

Fair but not entirely satisfactory progress was reported made in the domestic collection centers. Gathering of needed stocks was said to be hampered by lack of normal supplies of labor. Prices being paid average higher than those a year ago and in all probability the manufacturing consumer cannot expect much else than a market definitely upward in price tendency.

Balsams

Peru.—Strong at recent advance. Active.

Tolu.—No weakness noted. Good demand.

Barks

Bayberry.—Firm. Not very active.

Cascara Sagrada.—Strong undertones. Little chance for lower prices. Collection lags.

Cocillana.—Routine demand. Stocks firmly held.

Elm.—Needs likely to be met fully. Very steady prices.

Sassafras.—Crop progress very good. Reserves accumulating.

Beans

Tonka.—Consumption to drop if one cigarette maker stops using Brazilian item. Plentiful offerings from source.

Vanilla.—Conditions little changed. Every effort being made to get British to permit some shipments from French islands. Outlook not very favorable. Probable consumption virtually engages every pound of Mexican available.

Berries

Cubeb.—Strong market. Replacement arrivals uncertain. Demand sustained.

Saw Palmetto.—Occasional transactions confirm prices.

Price Changes

Advanced

Allspice, Mexican, ¼c. per lb.
Arrowroot, powder, bags, ¾c. per lb.
Cube root, powd., 1c. per lb.
Derris root, powd., 1½c. per lb.
Doggrass root, cut, 8c. per lb.
Fleaseed, Indian, 1c. per lb.
Ginger root, African, ¾c. per lb.
Ipecac root, 10c. per lb.
Laurel, Portuguese, 16c. per lb.
Mace, West Indian, 5c. per lb.
Papain, powdered, 35c. per lb.
Saffron, Spanish, $4 per lb.

Reduced

Angelica root, imp., 15c. per lb.
Caraway seed, 7c. per lb.
Coriander seed, ¼c. per lb.
Cumin seed, Indian, ¼c. per lb.
Cinnamon, Ceylon, 1½c. per lb.
Dandelion root, 5c. per lb.
Dill seed, ¼c. per lb.
Ergot, 10c. per lb.
Nutmegs, West Indian, ¼c. per lb.
Poppy seed, Turkish, ½c. per lb.
Pyrethrum, powdered, 1c. per lb.
ground, 1c. per lb.
Pyrethrum, concentrate, 20-1, 20c. per gal.
30-1, 30c. per gal.
Sarsaparilla root, Mexican, 1c. per lb.
Valerian, Eastern, 7c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
261.6	261.8	263.7	209.2

Market news that may have developed after this report was sent to press will be found on page 4.

Belladonna

Belladonna root and leaf are scarce on this market because shipments from usual sources of production in Europe have been affected adversely by the war. According to the Department of Commerce, importations in January, 1941, totaled 8,228 pounds. No arrivals are shown in February and March import figures now available. The total importation in 1940 was 134,354 pounds, all except 5,225 pounds of which reached here in the first six months of the year.

Inability to secure regular arrivals from normal sources of supply makes domestic cultivation projects important this year. Such projects are afoot on the Pacific coast and in some States along the Eastern seaboard. The Federal government has placed the item on its list of materials exportable only under Federal license.

Spot quotations at present are firm to strong at $1.90 per pound, for either leaf or root, with sales reported at as high as $2.25 recently. The spot quotations August 25, 1939, just prior to the beginning of the war, were:—Leaf, 12 cents per pound; root, 17 cents.

Imports and Detentions

Entries of botanicals at the port of New York, since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	190	1,204
Belladonna	19	25
Caraway	...	207
Cardamom (cases)	...	1,603
Celery	35	1,101
Coriander	16,396	30,248
Cumin	3,066	12,229
Digitalis leaves (cases)	...	...
Dill	3,118	16,626
Fennel	136	1,374
Henbane leaves (bales)	...	20
Mustard	...	7,953
Poppy	130	3,153
Sage leaves (bales)	218	3,636
Sesame	440	5,869
Stramonium	...	...
Thyme	895	991

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Association meetings:—
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✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
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Flowers

Clover.—Domestic collection stimulated by European sources being cut off.

Lavender.—Spanish flowers find not too much favor. Limited stocks of French still available at strong prices.

Pyrethum.—Market lower. Coarse powder, 21c. to 22c. per pound. Fine powder, 22c. to 24c. Concentrates down. Prices, 20 to 1, $4.50 per gallon; 30 to 1, $6.40. Reflect lower first costs.

Safflower.—More demand brings firmer prices.

Saffron.—Higher at $38 to $39 per pound. Import difficulties increase.

Gums

Arabic.—Very firm undertones. Sellers reserved. Demand good. Replacement highly uncertain. Shipments would stop should Germany command Suez Canal.

Asafetida.—Gaining strength as transport becomes more difficult and uncertain. Little local competition.

Mastic.—Stronger. Most sellers very reserved.

Myrrh.—Transport of replacement meeting difficulties. Prices firmer.

Tragacanth.—Demand good. Prices holding. Limited competition. Replacement uncertain.

Herbs and Leaves

Belladonna.—Holding firm at recent drop to $1.90 to $1.95 per pound. Not all sellers meet minimum figure. Some have nothing to offer.

Henbane.—Quoted at $2.75 per pound. Reported sold last week as high as $3.40.

Laurel.—Portuguese price jumped to 45c. to 47c. per pound. Greek price range wider at 38c. to 40c. Offerings limited.

Sage.—Purely nominal market. Nothing certaintly available.

Uva Ursi.—Very firm. Limited spot interest.

Miscellaneous

Cassia Fistula.—Reasonable activity. Firm.

Ergot.—Spot offered lower at $2.15 to $2.25 per pound. Firm at source.

Nux Vomica.—Very firm. Export licenses required to all save British Empire.

Papain.—Higher at $2 to $2.25 per pound. Single dealer quoting $2. Others minimum at $2.25. Others withdraw quotations. Replacements all but impossible.

Roots

Angelica.—Variety of natural offered at $1.60 to $1.65 per pound.

Arrowroot.—Bag packing being discouraged. Price set higher than barrel packaging. Bagged powder, 10¼c. to 10¾c. per pound; barrels, 10c. to 10½c.

Belladonna.—Holding steady at recent decline to $1.90 to $1.95 per pound.

Cube.—Stronger. Advancing. Price, 5 percent rotenone, 25c. to 27c. per pound.

Dandelion.—Shaded to 70c. to 75c. per pound.

Derris.—Stronger and higher. Quotation, 5 percent rotenone, 27c. per pound. Replacement more costly.

Ipecac.—Fetching higher prices. Whole, $1.80 to $1.90 per pound as to seller; powder, $1.85 to $1.95.

Sarsaparilla.—Mexican root shaded to 20c. to 22c. per pound.

Tumeric.—Shaded to 8¾c. to 9¼c. per pound on Alleppy.

Valerian.—Eastern root down to 35c. to 37c. per pound. Belgian holding at 95c. but reported sold last week at $1.25.

Seeds

Caraway.—Prices dropped to 85c. to 88c. per pound.

Coriander.—Natural shaded to 10¾c. to 11¼c. per pound.

Cumin.—Indian a fraction lower at 16¼c. to 16¾c. per pound.

Dill.—Lower at 8½c. to 9c. per pound.

Flea.—India seed advanced to 11c. to 12c. per pound.

Poppy.—Turkish down a fraction to 32½c. to 33c. per pound. No Bulgarian seed offered now.

Spices

Allspice.—Mexican article fractionally higher at 13¼c. to 13½c. per pound.

Cinnamon.—No. 2 Ceylon in sharp recession to 24c. to 25c. per pound. More offered.

Ginger.—African advanced to 14¼c. to 14¾c. per pound. Jamaica very firm at recent rise.

Mace.—West Indian item up sharply to 51c. to 52c. per pound.

Nutmegs.—Fractional shading on West Indian item; 14¼c. to 14⅜c. quoted.

Pepper.—Local prices show stability. Fair demand from grinders.

Trading in black pepper futures on the New York Produce Exchange from June 16 to June 20, inclusive, comprised 86 contracts. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	6.14	6.08	5.86@5.90
July	5.93	5.71	5.68@5.70
September	6.04	5.80	5.75@5.77
December	6.15	6.00	5.84@5.86

Chickory Concerns Hit By F.T.C. Price Order

—Continued from page 4

chicory drying plant in Linwood, Mich., in the limited area in which domestic chicory is grown.

According to findings, the respondents have followed a general pattern of price discrimination under which they have made low prices in several southern States where they have been in active competition with R. E. Schanzer, Inc., and have recouped in part for these lower prices by charging higher prices in other areas where their competitor does not attempt to and cannot, because of transportation costs, sell its products.

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Essential Oils, Aromatic Chemicals

Mace and Nutmeg Oils Up — Imported Pennyroyal Higher —Sassafras Shaded — Spearmint Lower — Wormseed Off—More Caraway Offered—Active Market

All essential oil and aromatic chemical houses reported a high volume of business pressing strongly on the spot market last week. Natural raw materials were in limited supply. Demand for synthetic aromatic chemicals as well as substitutes and compounds generally built the bulk of local sales volume and the present activity was expected to be indefinitely extended into the future.

Price changes were evenly divided between advances and declines. On the side of lower quotations, the changes were mainly conservative in degree and were indicative more of passing differences of price opinion than of any concrete, definite, and important change in basic, controlling conditions.

The advancing prices on natural oils showed the pressure of demand and the recession of temporarily competitive conditions that, in a few items, recently had brought some shading of quotations. The fact was that practically all natural oils were in definitely strong position and there was little chance that increase in available supplies would come soon. And any permanent easing of prices would depend definitely on a substantial increase of stocks bought at favorable prices in primary markets and actually landed on these shores.

Essential Oils

Almond.—Bitter oil very firm. Sweet oil eased back to $1.70 to $1.90 per pound.

Amber.—No quotations offered. Some crude rumored available at 60c. per pound.

Angelica.—Firm. No general offerings.

Anise.—Steadier undertones continued. Prices hold.

Apricot.—More activity firms prices.

Bay. — Steady. Routine demand. Fair distribution of stocks.

Bergamot.—Demand centers mainly in artifical item.

Cajeput.—No further advance. Gaining strength.

Camphor. — Sassafrassy firmer. Drums up to 19½c. to 25c. per pound. White advanced to 22c. to 26c. in drums.

Cananga.—Strength growing. Replacement doubtful. Sure to be slow. Primary market firm at recent advances.

Caraway.—Higher at $9.50 to $10 per pound. More holders. Three quote $10 per pound minimum.

Cassia. — Undercurrent flowing strongly. No shading.

Price Changes

Advanced

Camphor, sassafrassy, ½c. per lb.
white, 2c. per lb.
Caraway, 50c. per lb.
Cypess, $7 per lb.
Mace, 15c. per lb.
Nutmeg, 15c. per lb.
Pennyroyal, imported, 15c. per lb.
Pimento, leaf oil, 15c. per lb.
Rue, 25c. per lb.

Reduced

Almond, sweet, 5c. per lb.
Pennyroyal, domestic, 45c. per lb.
Pimento, berry oil, 10c. per lb.
Sandalwood, E. I., 5c. per lb.
Sassafras, artificial, 1c. per lb.
natural, 5c. per lb.
Spearmint, 15c. per lb.
Thyme, red, 15c. per lb.
Wormseed, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
203.3	204.1	204.5	127.5

Market news that may have developed after this report was sent to press will be found on page 4.

Bergamot

Natural Italian bergamot oil is almost unobtainable from spot dealers. Since 1940, imports have been almost at the vanishing point. According to the Department of Commerce, in 1939, 211,181 pounds were imported. In 1940, the landings totaled 84,633. And the arrivals in the January-March period, 1941, were but 325 pounds. No foreign production figures available. None of even fairly satisfactory quality produced here.

The price on August 25, 1939, was $3.65 per pound. The current quotation is $20 per pound, nominal. Rise in consumption of synthetic bergamot was natural, carrying the price of $1.25 per pound on August 25, 1939, to the present quotation of $2.75 to $9.25 per pound. The price on synthetic bergamot is based solely on quality. It is a manufactured product and the more desirable materials contain a fairly high percentage of genuine natural bergamot. A fair product with reasonable bergamot odor costs around $4 to $5 per pound.

Cedarleaf.—Fully firm undertones. Tendency upward.

Cedarwood.—Good demand. Price advances expected.

Citronella. — Advance checked. Likely to be resumed. No weakness in primary markets.

Clove.—No change in price setup. Firm to firmer undertones. Excellent demand. Little surplus with producers. Resale at $1.08 per pound continued.

Coriander.—Wide price range unchanged. Stocks moderate with resellers. Producers very firm.

Cypress.—Single spot seller asks $12 per pound for high quality oil. Previous minimum of $5 disappears.

Dill.—All values hold. Poor supply seed oil. Weed oil more generally offered than seed. Firm price maintains late rise.

Ginger.—Two large factors quote $10 and $9 per pound minimum, respectively. Single quarter names $4.75 as market. Another suggests $5.50. Very important producer reports sold up position.

Mace.—Higher at $2.30 to $2.65 per pound. One seller at $2.30; one at $2.35; two at $2.40; and one wants $2.65.

Mustard.—Artificial oil price confirmed. Fire hindered production domestic maker. Distilled oil up to $9.50 to $10, one seller at each end of range.

Nutmeg.—Higher, ranging $2.30 to $2.65. Only one dealer offers at $2.30. Others name $2.35, $2.40 and $2.65.

Pennyroyal.—Domestic lower at $2.50 to $2.65 per pound. Only two dealers offer spot. Imported oil up to $2.40 to $2.75. One dealer quoting $2.50. Another, $2.50. Two others lowest at $2.75.

Pimento.—Berry oil shaded to $4.25 to $8.50 per pound. No two dealers quote parity prices. One at $4.25; another, $5.50; a third, $5.75; and a fourth, $8.50. Leaf oil advanced to $2.25 to $2.75. One dealer names minimum figure. Three others taking not less than $2.50. A fifth lowest at $2.75.

Rosemary.—Range wider. Drums, 85c. to $1 per pound; cans, 88c. to $1.03. Range on drums divides as follows:—Single quoter at 85c.; two others minimum at 95c. Two others taking not less than $1.

Rue.—Advanced to $7.25 per pound. Were recently three sellers. Now only one.

Sandalwood.—E. I. U.S.P. ranging $4.65 to $5 per pound, two dealers naming $4.65; one, $4.75; and two others, $5. Mysore oil firm at $5.40 to $5.50. Demand gaining.

Sassafras.—Artificial oil up to 73c. to 77c. per pound in drums. Five dealers quote as follows, respectively:—73c. per pound; two at 75c.; another, 77c.; the final one, 79c. Natural oil up to $1.05 to $1.20 per pound, the spot dealers quoting as follows:—One at $1.05; three at $1.10; a fourth, $1.20.

Snakeroot.—Ranging wider at $8.50 to $10 per pound with but two spot sellers.

Spearmint.—Lower and lowest at $2.45 per pound, done by one dealer. Others quote $2.55, $2.60, $2.75, and $2.80 per pound. Slow trading.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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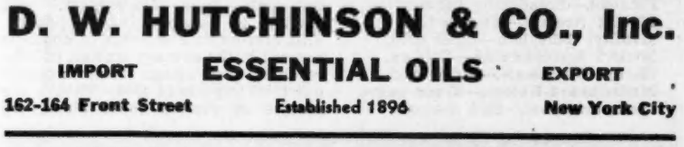

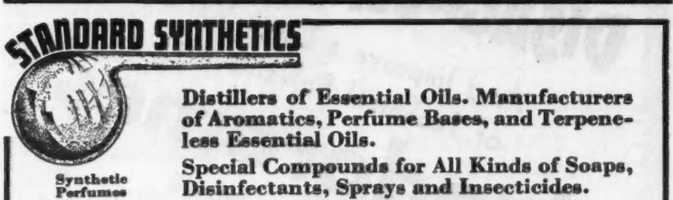
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Tansy.—Crop prospects ease market. Price down to $3.55 to $4.25 per pound. Majority quoting minimum at $4. Two name $3.55 and $4 per pound respectively.

Thyme.—Red down to $1.40 to $2.25 per pound. White, 95c. to $2.50. Range covers sellers price differences, with quality and test a factor.

Wormseed.—Spot down to $2.20 to $2.70 per pound. Five dealers quote five different prices, as follows:—$2.20, $2.30, $2.35, $2.50, and $2.70 per pound respectively.

Aromatic Chemicals

Acetophenone.—Very firm.
Amylcinnamic Aldehyde.—Steady.
Amyl Acetate.—Stronger.
Amyl Butyrate.—Getting firmer.
Amyl Salicylate.—More active.
Anethol.—Quiet, normal trade.
Anisic Aldehyde.—Good call.
Benzaldehyde.—Deliveries small.
Benzyl Alcohol.—Strong.
Benzyl Cinnamate.—Sales up.
Benzyl Formate.—Very steady.
Benzyl Propionate.—Call routine.
Benzyl Salicylate.—Stronger.
Benzylidinacetone.—Cali up.
Bromstyrol.—Strong prices.
Cinnamic Aldehyde.—Tends up.
Citral.—Strong undertone.
Citronellal.—Steady. Active.
Diacetyl.—Growing stronger.
Diphenylmethane.—Call broader.
Diphenyl Oxide.—Trade normal.
Ethyl Benzoate.—No weakness.
Ethyl Butyrate.—Good volume.
Ethyl Cinnamate.—Active.
Ethyl Oenanthate.—Broad call.
Ethyl Oxyhydrate.—Quieter.
Ethyl Vanillin.—More active.
Eugenol.—Stronger.
Eucalyptol.—Volume holds.
Geraniol.—Stronger tone.
Heliotropine.—Sales good.
Hydroxycitronellal.—Stronger.
Linalool.—Broadening request.
Linalyl Acetate.—Very active.
Menthyl Salicylate.—Sales gain.
Methyl Acetophenone.—Call up.
Methyl Cinnamate.—Firm tone.
Methylhexyl Ketone.—Trade gains.
Methylnaphthyl.—Call normal.

Facing Facts On Vanilla

—Continued from page 3

ing the only means there employed to collect revenue.

The immediate future of the market naturally depends on the Bourbon situation, since about 60 percent of our vanilla bean requirements have, in the past, come from Madagascar and the Ffench possessions in the Indian Ocean. If no Bourbon beans arrive over the balance of the year we are going to be faced with a high market.

Keep cool, don't buy unreasonably, watch inventories and stop speculation. As a nation we cannot afford to become emotionally unstable on any subject.

Supply Off 20 Percent

The normal imports of all grades of vanilla beans usually average about 1,000,000 pounds yearly, some years less and some years a little more. In 1940, United States imports of vanilla beans were 1,309,855 pounds, valued at $4,913,133. The following import statistics would indicate that this represents a figure greater than the imports for any calendar year since 1935:—

	Pounds.
1939	1,017,948
1938	1,024,728
1937	995,645
1936	1,165,424
1935	828,625

It should be made clear that the 1940 total showed a large increase of beans coming from Mexico, Tahiti, and Java, Tahiti products showing the largest percentage of increase. During the period between 1935 and 1939, Tahiti imports averaged 25,000 pounds a year, and rose in 1940 to 150,000 pounds.

It is estimated that the vanilla we will have received this year from all sources available, barring the normal shipments from Madagascar, will amount to possibly 800,000 pounds. This represents a shortage of about 20 percent in the average amount usually received, even though it approximates our total imports in 1935. Though the picture at present looks black, we must not overlook the fact that there is always a chance of vanilla being received from Madagascar, Reunion, or the Comoro Islands by passing through the blockade; or even of having the blockade lifted, in which event perhaps 300 tons of beans would come to this country from the islands mentioned. Even though late, arrival of such a shipment would have a psychological effect on the market, meaning at least a temporary break in price.

The Vanilla Bean Association of America has been pleading all along with the British officials in this country and the Department of State, in order to obtain from the former transportation permits, and from the latter their support of the efforts of the association. In spite of repeated petitions on the part of the association, and on the part of individual importers, the British government has not agreed to issue navicerts for the exportation of vanilla beans from Madagascar. Without British navicerts, steamship lines are unwilling to load vanilla, and even though carriers could be obtained the risk of importing would be too great, since, without navicerts, insurance companies in this country will not insure importers against seizure by British war vessels. On the other hand, it is known that Madagascar is exporting to America other commodities for which permits have been granted, and there is the possibility, remote at the moment, that vanilla may yet be included among these commodities.

Added to the difficulty is the restriction placed by our government on the transfer of free funds to belligerent countries. France and its colonies fall into this classification. Growers and shippers in the French Colonies have no desire to make any shipments without receiving payment for same against the necessary documents.

Turning from the Bourbon situation, let us consider the future of the vanilla bean market from the standpoint of supplies which will be available this year from sources closer to our shores: principally Mexico, Tahiti, and the West Indies. What can we expect in the way of quantity, quality and price levels on the product from these sources of supply?

The Mexican Supply

Assuming that there is little likelihood that any Bourbon vanilla will be arriving in this country for some time, consumers meanwhile will have to depend in the main upon Mexican and Tahiti vanilla.

The Java crop, being still in the early stages of development, can be counted on to produce only about 40,000 pounds this year. In attempting predictions of the 1941 Java crop, we must take into consideration the report of curers that their vines suffered damage last season by a severe dry spell. The first shipments of the new Java crop should be ready by September.

This season's Mexican crop will amount to 500,000 to 550,000 pounds. Most of it has already been sold for American consumption. Due to the early picking of the green vanilla last season, which did not have time to mature properly, the quality of the expected Mexican crop is considerably below par this year, and is going to cause both importers and manufacturers some loss due to spoilage. Unless picking is controlled, this condition will continue to exist as long as current high values are placed on vanilla. With this in mind, the Vanilla Bean Association has appealed to the Mexican authorities, particularly the governors of the States of Puebla and Veracruz, to discourage the early picking of green vanilla.

Reliable reports about the next Mexican crop, which will be cured during the early months of 1942, are far from encouraging. It appears that the crop will be smaller than this year's. The vanilla vines look anaemic, the reason given being that there has been so much less moisture than a year ago. This may mean a crop of only 300,000 pounds for 1942, which in turn will keep prices on a very high level.

Some blame for the heavy fluctuations in the price of Mexican vanilla must be attached to the direct inquiries which come to Mexico from American consumers and manufacturers, some of which leave the independent curer with the obvious impression that there is a great dearth of beans in the United States, and that they can demand any fancy prices they wish. There is no doubt but that we are going to see very high prices on the remaining lots of Mexican cuts and whole beans. This will probably cause Tahiti vanilla to follow suit.

Bigger Supply from Tahiti

During normal times, the amount of Tahiti beans consumed in the United States is not large. It would appear, however, that this year far more Tahiti beans will be consumed here than for many years past. It is estimated that upwards of 200,000 pounds will be imported into this country during 1941.

The price of Tahiti beans, which declined during February and March, has again advanced recently. The special Tahiti "war" export tax on vanilla has been fixed for the quarter beginning April 1, 1941, at 73.99 francs per kilo. This "war" tax was established September 1, 1940, at the rate of 36.67 francs per kilo. It is levied in addition to the export duty of 0.50 franc per kilo and an export tax of 2 percent ad valorem. The increase in the tax at today's rate of exchange amounts to almost 40 cents per pound, and the total tax will amount to approximately 80 cents per pound.

One interesting commentary on the price situation presented by the large United States imports of vanilla beans, is that the price of vanilla does not affect the demand. In 1935 when the price of Bourbon vanilla ranged between $2 and $2.50 per pound, imports of all kinds totaled 828,625 pounds; whereas, in 1940 when Bourbon prices ranged from $6 to $8.50 per pound, the imports of all kinds increased to 1,309,855 pounds. If general business conditions are good, the consumption of vanilla is large, irrespective of the price of the beans.

Nearby Possibilities

As can be readily seen, the principal reason for our inability to meet the growing demand for vanilla in the United States at more reasonable costs at this time, is that our main sources of supply have been rendered inaccessible by the fact they lie within the belligerent zone. This gives rise to the question of whether we can, in the future, expect to become independent of overseas sources, as regards the growing and curing of vanilla beans, by further developing sources on or close to this continent. You will recall that Mexico was the original source of vanilla bean production, but was outstripped many years ago by growers in Madagascar. Probably the outstanding factor which prevents vanilla growers on this hemisphere from rapidly overtaking the rate of production possible in Madagascar, the Comoro Islands, and the other small islands on the African coast, is the cost of labor.

To obtain the bettering of vanilla crops in Mexico there is but one basic precaution required: that the fruit shall be fully matured before it is picked. The Vanilla Bean Association as a result of its present discussion with Mexican authorities, is hoping to prevent the picking of green beans before maturity.

After considering all possible angles of the present state of the vanilla trade, it is evident that we face a future for which past experience is no yardstick. Predictions even on the basis of last year's market are hazardous, in view of the accelerated pace at which world economics is changing. This report has been designed around the idea of presenting a complete and unbiased picture of the available facts about the vanilla situation as it looks today. We are grappling with unprecedented problems, and dealing with a market which is liable to instantaneous variation as it reflects the international political trend.

We must be ready to meet these problems realistically, to abstain as much as possible from attitudes of wishful thinking and rationalization, always bearing in mind that our difficulties are in no way unique, but rather to be expected, in view of current world conditions.

P. C. Magnus, president of Magnus, Mabee & Reynard, Inc., essential oils and aromatic chemicals, this city, addressed the New Jersey Drug Travelers Association, in Atlantic City, June 19, on "Sales as They Are Affected by World Conditions."

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DISAGREEABLE ODORS
And Improve a Large Variety of Technical Solvents with
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Petroleum Products

Pennsylvania and Kentucky Crude Oils Advanced—White Mineral Oils Boosted — Crude Paraffin Higher and Still Scarce —Pennsylvania and Midcontinent Lubricating Oils Up

•

Effective June 18, prices on Pennsylvania grade crude oil were advanced, bringing them up to the peak of 1940 prices, which was close to a ten-year high. Prices after the rise were the same as those set January 1, 1940, when they were lifted by the great export demand due to the war. Last week's advance was the sixth successive since November 12, 1940. Except for an eighty-six-day period in 1937, prices now are the highest since the early months of 1930. Prices on Kentucky River and Big Sandy River outputs were advanced.

Prominent suppliers of white mineral oils advanced quotations last week. Crude scale paraffin was raised and was still scarce. Petrolatums were stronger.

The increased tempo of industrial production led to a further broadening in the demand for refined products during the past week. Paint and other manufacturers continued to call for large amounts of various solvents and naphthas. In many cases suppliers were pressed to accommodate all orders. Butane and propane continued to give concern, with stocks very low and demand heavy. Crude scale paraffin was nominal and very hard to obtain. Pennsylvania lubricating oils were advanced again.

Solvents and Diluents

Aromatic Naphthas. — Most grades continued in heavy demand with offerings becoming more limited. Several grades were virtually unobtainable. Shipments were large. Prices firm and unchanged.

Cleaners' Naphtha. — Very heavy call. Shipments larger. Several suppliers pressed to accommodate prompt delivery requests. Price steady.

Lacquer Diluent. — Lacquer manufacturers were slightly less active, but there was still a good demand in evidence. Inquiries were off somewhat. Price was firm.

Mineral Spirits.—The paint trade continued to demand large amounts of these ingredients. Orders were being placed at a fast rate. Shipments were large. Prices were stable.

Rubber Solvent. — Demand large. With manufacturers of rubber products increasing output further, increases in sales are looked for. Price steady.

Stoddard Solvent.—Heavy contract call. New business broadened. Tone stable.

V. M. & P. Naphtha.—Volume of deliveries increased greatly. New business brisker. Price firm and unchanged.

Markets at Other Centers

Chicago—June 20

Demand continued good for most grades of solvents and diluents, with inquiry steady. Products required for the paint industry were especially active. Suppliers of some materials have been hard put to meet all calls currently.

AROMATIC NAPHTHAS. — Movement heavy, prices strong.

CLEANERS' NAPHTHA. — Good demand, market strong.

LACQUER DILUENT.—Orders good, quotations firm.

MINERAL SPIRITS. — Buying active, steady prices.

RUBBER SOLVENT.—Movement good, no price change.

STODDARD SOLVENT.—Interest active, market tight.

V. M. & P. NAPHTHA.—Orders extensive, with no price change.

New Orleans—June 20

A firm tone continued to be evidenced in the domestic market on cleaning solvent and V.M.P. naphtha, with quotations remaining unchanged.

CLEANING SOLVENT.—Demand routine; prices unchanged.

V. M. & P. NAPHTHA.—Movement normal; no change in price.

San Francisco—June 20

Petroleum specialties are in good season and current takings appear to be aggregating good totals in almost all phases. Defense work makes the outlook excellent.

AROMATIC NAPHTHAS.—Demand continues steady with good interest.

Price Changes

Advanced

Oil, lubricating, Group 3, bright stocks, 1c. per gal.
neutrals, ½c. to 1c. per gal.
Pennsylvania, all grades, 1c. per gal.
white mineral, dom., tech., all vis., 3c. per gal.
USP, 80-90 vis., 4c. per gal.
95-100 vis., 4c. per gal.
125-135 vis., 4c. per gal.
140-150 vis., 4c. per gal.
175-185 vis., 4c. per gal.
200-210 vis., 4c. per gal.
320-330 vis., 5c. per gal.
335-345 vis., 5c. per gal.
Paraffin, crude scale, ½c. per lb.
Petroleum, crude, Kentucky, Ky. River, 3c. per bbl.
Big Sandy River, 6c. per bbl.
Pennsylvania, 20c. per bbl.

Reduced

None.

Market news that may have developed after this report was sent to press will be found on page 4.

PETROLEUM THINNERS. — Demand active.

LACQUER DILUENT.—Good.

V. M. & P. NAPHTHAS.—Movement is well sustained.

RUBBER SOLVENT.—Fair.

STODDARD SOLVENT.—Fully up to normal.

CLEANERS' NAPHTHAS.—Routine.

Tulsa—June 20

Inquiries for specialties continued to broaden. The undertone is firm and considerable price-cutting has been removed from the market.

CLEANERS' NAPHTHA.—Insistent demand. Quotations firm.

STODDARD SOLVENT.—Inquiries moderate. Prices unrevised.

V. M. & P. NAPHTHA.—Fair demand. Quotations steady.

RUBBER SOLVENT.—Brisk demand. Quotations strong.

MINERAL SPIRITS.—Broader interest. Prices steady.

LACQUER DILUENT.—Good call. Quotations firm.

Lighter Fractions

Butane.—Demand heavy. Offerings small. Supplies light. Price firm and unchanged.

Heptane. — Normal offerings, with buyers showing increased interest. Price firm.

Hexane. — Movement continued to broaden. Supplies were somewhat tighter. Price steady.

Octanes.—Better than normal call reported. Deliveries larger. Price unchanged.

Pentanes.—Trade continued to expand. Shipments heavier. Inquiries brisk. Actual new business ahead of the previous week. Price firm and unrevised.

Propane.—Small stocks continued to give concern to the trade. Demand was heavy. Offerings small. Price unchanged and very strong.

Markets at Other Centers

Chicago—June 20

Inquiry and orders have been good in light petroleum hydrocarbons. Movement is along broad lines and buying shows little tendency to subside. Trade seems more spontaneous, with few offerings.

BUTANE.—Limited supplies, prices stronger.

HEPTANE.—Good demand, firm market.

HEXANE.—Call active, market hard.

OCTANES.—Extensive buying, no price change.

PENTANES.—Trade brisk, market tight.

PROPANE.—Limited supplies, market strong.

Tulsa—June 20

Despite expansion in production current supply is still short of meeting demand. There is a heavy call for all grades of light fractions.

BUTANE.—Good call. Prices strong.

PROPANE.—Supply limited. Prices unrevised.

PENTANE.—Broad inquiries. Quotations firm.

Petrolatums and Waxes

Paraffin.—Crude scale stocks continued to dwindle during the week. One sale was reported at 5⅜c. per pound, but the general market seemed established at a nominal price of 5¼c. an advance of ¼c. Refined grades were very strong.

Petrolatums. — Stronger but unchanged.

White Mineral Oils. — Technical grades advanced 3c. per gallon. The USP grades were 4c. per gallon higher, except 320-330 and 335-345 viscosities, which were hiked 5c.

Chicago—June 20

Generally firmer conditions prevail in the market for most grades of material. New business in petrolatums is brisk. White mineral oils have shown strength.

PARAFFIN. — Material scarce, prices strong.

PETROLATUMS.—Demand good, market firm.

WHITE MINERAL OILS.—Orders good, quotations firmer.

Tulsa—June 20

Stronger market in the East is causing refiners to strengthen their positions, but the demand for Mid-continent products is fairly quiet.

PARAFFIN.—Better call. Prices firm.

PETROLATUM.—Slow movement. Prices steady.

Fuels and Lubricants

Gasoline.—Good demand. Supplies tight. Price very firm.

Kerosene.—Normal call. Price was steady.

Lubricating Oils. — Pennsylvania grades advanced 1c. per gallon. Bright stocks were quoted at 22c. to 24½c. per gallon; cylinder oils at 12c. to 15c., and neutrals at 28c. to 33c. for the 150 viscosity and at 30c. to 35c. for the 200.

Crude Oil Price Changes

Pennsylvania region grades were advanced 20c. per barrel to $2.75 for Bradford-Allegany; $2.34 for Eureka; $2.40 for Southwest Penn, and $2.63 to $2.68 for Lower District crude. Corning grade was unchanged.

Markets at Other Centers

Chicago—June 20

Demand is good for fuels and lubricants and the price structure is strong.

GASOLINE. — Demand high, prices stronger.

KEROSENE.—Market quiet. Prices firm.

LUBRICATING OILS.—Inquiries brisk, market stronger.

New Orleans—June 20

The market on gasoline moved along routine lines during the past week, with all prices holding firm for the first time in the past several weeks. Interest in kerosene continued normal.

GASOLINE.—Demand routine; prices unchanged.

KEROSENE.—Market normal; no price change.

Tulsa—June 20

Heavy shipments and demand continued. Lubricating oils were advanced 1c. per gallon.

GASOLINE.—Large demand. Prices strong.

KEROSENE.—Less interest. Quotations strong.

LUBRICANTS.—Bright stocks up 1c. per gallon to 17c. to 22c. Neutrals up ½c. to 1c. per gallon to 9½c. to 15c.

Liquefied Petroleum Gases Sales Up 40% in 1940

Sales of liquefied petroleum gases in 1940 amounted to 313,456,000 gallons, an increase of 40 percent over 1939, according to the Bureau of Mines. Sales were as follow:—Butane, 77,056,000 gallons; propane, 109,216,000 gallons; butane-propane mixtures, 123,348,000 gallons; and pentane, 3,836,000 gallons.

Pennsylvania's lower house last week unanimously voted to request all manufacturers and producers of liquid fuels in the state to "immediately cease" exporting their products to any totalitarian powers.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

PETROLATUMS
and
WHITE OILS
Sherwood Quality assures Quality Products
SHERWOOD
REFINING COMPANY, INC.
Englewood, N.J. Refinery, Warren, Pa.

MASKING PERFUMES for BAD SMELLING PRODUCTS
• DEPENDABLE
• EFFECTIVE
• ECONOMICAL
JAVOLLAL—A substitute for citronella; imparts cleaner, finer odor.
METHALATE "C"—Replaces methyl salicylate in technical processes at low cost.
SAFRELLA—A low priced, effective substitute for artificial sassafras.
NEUTROLEUM—Completely neutralizes the odor of all preparations based on petroleum distillates.
Above deodorizing agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.
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NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N. Y.

Oil Tanker Switch To Aid East's Supply

—Continued from page 5

the instructions of the coordinator, were given to the oil industry today by Acting Attorney General Francis Biddle.

Mr. Biddle told the conference that largely because of the appointment of Ickes as coordinator, the pending anti-trust action against twenty-two of the major oil companies and the American Petroleum Institute would be settled shortly in a manner satisfactory to everyone concerned.

No Price Advances

Leon Henderson, Administrator of the Office of Price Administration and Civilian Supply, told the conference that he had just sent a letter to leading refiners and marketers of petroleum products throughout the country requesting that there be no further advances in prices without first consulting with his office.

The letter also pointed out that at a recent meeting between OPACS representatives and representatives from Northeastern and mid-Atlantic States it was generally agreed that no further substantial increases in gasoline prices in the East are called for unless basic conditions change.

Sales to Great Britain

Ms. Ickes announced that he has effected an arrangement with the lend-lease administration and the Navy Department by which American refineries will be given an opportnity to supply "not less than 50 percent of the petroleum products purchased by them for the use of Great Britain."

Japan Shipments Halted

Ickes has prevented the shipment of 252,000 gallons of lubricating oil to Japan on the Japanese tanker, Azuma Maru, which was awaiting its cargo at Philadelphia. A spokesman for Mr. Ickes said that the action was taken "not on a question of international oil policy, but on coordinating supplies on the East coast." Mr. Ickes asked the Treasury Department, through the Customs Service and the Coast Guard, to stop the oil when a private firm informed him that the oil was about to leave Philadelphia.

Elk Hills to U.S.

The government soon will take over section 16 of the Elk Hills naval oil reserves in California after twenty-seven years of litigation, Mr. Ickes said.

The General Petroleum Corporation of California declared in the Los Angeles Federal court that it desired to cooperate in the preparedness drive, and therefore would withdraw its opposition to the government in a long standing suit for possession of the land. The section will be returned to the navy.

Pipeline Materials

Assurance that the priorities division of the office of production management will provide for preference ratings in the granting of priorities for steel and materials needed to construct pipelines from the oil producing areas to the East coast was given by Blackwell Smith, head of the policy section of the priorities division. If priorities are invoked, Mr. Smith said, there should be a prohibition against the supplying of heavy fuel oil to anyone who is in a position to convert his plant to use coal. He said that the priorities division is standing by to see how it can fit into the Ickes program, and will take no arbitrary action with respect to petroleum.

Cole Hearings Monday

The senate interstate and foreign commerce subcommittee which was appointed to hold hearings on the Cole pipeline bill, held their first meeting today and decided to hold hearings on the measure on Monday. Only one witness, W. L. Stanley, vice-president of the Seaboard Airline Railway Company, has requested to be heard so far. Senator Harry S. Truman, of Missouri, chairman of the group, said that it might be possible to report the measure to the full committee on Monday, following Mr. Stanley's statement, if no other witnesses appear.

Bids Wanted

—Continued from page 4

Olive Oil:—4,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7415, opening July 1.

Paint:—Supplies of Commanding Officer, Jersey City Quartermaster Depot, 26 Exchange Place; schedule 626-593, opening July 23.

Rust Preventive Compound:—8,000 pounds; Commanding Officer, Jersey City Quartermaster Depot, 26 Exchange Place; schedule 626-593, opening July 23.

Soap:—Supplies of: General Purchasing Officer, Panama Canal, Washington; schedule 5233, opening July 3.

Supplies of: Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7415, opening July 1.

Powder:—2,000,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7417, opening July 1.

Varnish:—1,080 pounds; Commanding Officer, Jersey City, Quartermaster Depot, 26 Exchange Place; schedule 626-593, opening July 23.

Defense Contracts Recently Awarded

Chemicals, oils, drugs, and related products required in connection with the program for national defense have recently been contracted for by the army, the navy, and other governmental agencies to June 18 as follows:—

Army Air Corps

Fuel, Engine:—$58,500, Standard Oil Company, Chicago; $305,466, Phillips Petroleum Company, Bartlesville, Okla.

Gasoline and Oil:—$25,500, Municipal Airport Commission, Charlotte, N. C.; $3,240, Serv-Air, Inc., Raleigh, N. C.; $12,820, Hawthorne Flying Service, Charleston, S. C.; $45,150, Standard Oil Company of Indiana, Chicago; $16,850, Standard Oil Company of Nebraska, Ohama; $33,285, Pan-American Airways, Brownsville, Texas; $23,540, Trancontinental & Western Air, Inc., Kansas City, Mo.; $2,781, Vultee Aircraft, Inc., Vultee Field, Cal.; $186,767, Standard Oil Company of Calif., San Francisco; $3,780, City of Fargo, Fargo, N. D.; $16,582.50, Shell Oil Company, San Francisco; $55,466, Humble Oil & Refining Company, Houston, Texas; $23,100, City of Abilene, Abilene, Texas; $3,580, Campbell Air Service, Inc., Moline, Ill.

Army Medical Corps

Codliver Oil:—$55,875, Squibb & Sons, Brooklyn, N. Y.

Cresol, Saponated Sol:—$39,400, Harley Soap Company, Philadelphia.

Drugs:—$84,631, Lederle Laboratories, Inc., Pearl River, N. Y.; $32,111, Sharp & Dohme, Inc., Philadelphia.

Army Ordnance

Aluminum, Flaked:—$2,550, Belmont Smelting & Refining Works, Brooklyn, N. Y.

Calcium Chloride:—$1,600, Dow Chemical Company, Omaha, Neb.

Chemicals:—$2,000, Calco Chemical Div., American Cyanamid Company, Bound Brook, N. J.; $1,728, Trojan Powder Company, Allentown, Pa.

Chemical Compound:—$2,100, Quaker Chemical Products Corporation, Conshohocken, Pa.

Nitric Acid:—$2,125, Hercules Powder Company, Parlin, N. J.

Oil, Heavy:—$12,875, Socony-Vacuum Oil Company, Olean, N. Y.

Oil, Linseed:—$1,181, Hercules Powder Company, Stoneham, Mass.

Rustproofing Compound:—$40,200, Parker Rust-Proof Company, Detroit, Mich.

Saltpeter:—2,346, Harshaw Chemical Company, Philadelphia.

Chemical Warfare Service

Soda, Lime:—$18,000, Dewey & Almy Chemical Company, Cambridge, Mass.

Navy Department

Ammonium Picrate:—$537,120, E. I. duPont de Nemours & Co., Wilmington, Del.

Calcium Carbide:—$40,552, National Carbide Company, New York.

Cuprous Oxide, Dry:—$107,500, Insecticide Corporation of America, Medina, N. Y.

Gasoline, Aviation: — $1,124,475, Richfield Oil Corporation, Los Angeles; $98,937, Union Oil Company of California, Los Angeles; $447,740, Standard Oil Company of California, San Francisco; $337,338, Shell Oil Company, San Francisco.

Gasoline, Motor: — $22,166, Standard Oil Company of Kentucky, Louisville; $20,216, Socony-Vacuum Oil Company, New York; $7,900, The Texas Company, New York; $9,183, Harper Oil Company, Long Island City, N. Y.

Hydrochloric Acid:—$8,835, Stauffer Chemical Company, San Francisco.

Lead, Pig:—$53,100, American Smelting & Refining Company, New York.

Manganese Linoleate: — $9,437, Shepherd Chemical Company, Cincinnati.

Oil, Diesel Fuel:—$4,118,199, Standard Oil Company of California, San Francisco; $328,091, Union Oil Company of California, Los Angeles; $26,000, Richfield Oil Corporation, Los Angeles; $1,915,562, Shell Oil Company, San Francisco; $1,210,000, General Petroleum Corporation, Los Angeles; $223,700, The Texas Company, New York.

Quicksilver:—$6,225, Quicksilver Producers Association, San Francisco; $14,136, International Minerals & Metals Corporation, New York.

Resin, Alkyd: — $103,250, General Electric Company, Schenectady.

Resin, Phenolic:—$18,700, Bakelite Corporation, New York.

Shellac, Orange:—$81,600, Gillespie-Rogers-Pyatt Company, New York; $39,800, Mantrose Corporation, Brooklyn, N. Y.

Tin, Pig:—$290,808, Caswell, Strauss & Co., New York; $291,536, Caswell, Strauss & Co., New York.

Titanium Dioxide:—$14,984, Titanium Pigment Corporation, New York.

Yellow, Zinc:—$6,970, Mineral Pigments Corporation, Muirkirk, Md.

Zinc, Oxide:—$20,361, American Zinc Sales Company, New York.

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Photography

Wetting Agents Used in Photographic Processes

(Continued from June 16 issue)

Sodium betatetrahydronaphthalenesulphonate
Sodium cetylsulphate
Sodium cresylate
Sodium dibutylsulphosebacate
Sodium disulphonate of dibutylphenylphenol
Sodium isopropylchloronaphthalenesulphonate
Sodium hexametaphosphate
Sodium laurylethylsulphonate
Sodium laurylsulphate
Sodium monobenzylsulphanilates
Sodium monosulphonate of butylphenylphenol
Sodium monosulphonate of monobutyldiphenyl
Sodium oleate
Sodium oleate with slight excess of oleic acid
Sodium oleicethylsulphate
Sodium oleoabietate
Sodium oleylsulphate
Sodium pentylnaphthalenesulphonate
Sodium propylnaphthalenesulphonate
Sodium salt of double sulphonated oleyl sulphate and cetyl alcohol sulphates
Sodium stearylsulphate
Sodium sterylsulphate
Sodium sulphate of technical oleyl alcohol
Sodium sulphoricinoleate
Sodium sulphosebacate
Sodium-betatetrahydronaphthalene-6-sulphonic acid
Solubel pine oil
Solvadine
Solvenol
Sonolene
Sonopol soap
Sorbitol
Sorbitol triricinoleate, sulphonated
Stannic-tetraphenyl
Stearic acid
Stearyl alcohol with oleyl alcohol
Sulfanole
Sulphonated animal oils
Sulphonated esters of higher alcohols and dibasic acids
Sulphonated fatty acids
Sulphonated fatty acid amides
Sulphonated fatty acid condensates
Sulphonated fatty acid esters
Sulphonated fatty alcohols
Sulphonated mineral oils
Sulphonated mixture of cetyl and stearyl alcohols
Sulphonated vegetable oils
Sulphoricinoleates
Sulpho-textol
Sulpho-turk
Sulphuric acid
Syntex
Synthetic aliphatic penetrants
Tall oil amide
Tensol
Tergitols
Tetrahydronaphthalene sodium-sulphonate
Triethanolamine linoleate
Triethanolamine laurylsulphate
Triethanolamine oleate
Trihydroxyethylamine linoleate
Trihydroxyethlamine stearate
Triton suds
Triton 72 O
Turkelene
Turkey red oil
Turkey red oil with organic fat solvent
Twitchell base 265
Ultravon W
Ultrawet
Unitex
Vatsols
Virifoam A
Wetanol
Wetsit
White pine oil
Xynomines
Yarmor 302
Zephiran

Activators for Photographic Developing Solutions

Ammonia carbonate
Aqua ammonia
Borax
Glycerin
Potassium carbonate
Potassium hydroxide
Sodium carbonate
Sodium hydroxide

Density-Reducing Agents Used in Photography

Ammonium sulphocyanide
Ferric chloride
Iron-ammonia sulphate
Mercury bichloride
Potassium cyanide
Potassium ferricyanide
Potassium oxalate
Potassium-sodium ferricyanide
Sodium hyposulphite

Flexibilizers for Photographic Films

Acetone light oil
Amyl acetate
Amyl alcohol
Butyl acetate
Butyl alcohol, normal
Castor oil
Diacetone alcohol
Ethyl acetate
Ethylmethyl ketone
Methanol
Methyl acetate
Methylacetone
Rapeseed oil

Materials Used in Dyeing Photographic Films

Acridin orange
Acridin red B
Auramine
Aurin dye
Cerium permanganate
Copper ferricyanide
Copper salts
Cupric sulphate
Dicyanin
Eosin
Erythrosin
Ferric chloride
Ferric salts
Ferric-ammonium citrate
Ferricyanides
Fluorine
Iodine
Iron ferricyanide
Iron salts
Malachite green
Methyl green
Methyl violet
Methylene blue
Methylene yellow
Pinachrome
Pinacyanol
Potassium bromide
Potassium chloride
Potassium ferricyanide
Potassium fluoride
Potassium iodide
Potassium permanganate
Potassium sulphate
Pyronin
Rhodamine
Rhodamine G
Silver bromide
Silver chloride
Silver chromate
Silver ferricyanide
Silver ferrocyanide
Silver iodide
Sodium acetate
Sodium bisulphite
Sodium thiosulphate
Tannic acid
Tannin heliotrope
Thionin blue
Thioflavin
Vanadium chloride
Victoria green
Xylene red

Toning Agent for Color Photograph Film

Potassium-sodium ferricyanide

Phosphorus Pentoxide

Substitutes for Phosphorus Pentoxide As a Drying Agent

Aluminum trioxide
Anhydrite
Anhydrone
Barium perchlorate
Boric anhydride
Calcium carbide
Calcium chloride, fused
Calcium oxide
Calcium sulphate, anhydrous
Dehydrite
Dessichlora
Magnesium chlorate
Magnesium oxide
Magnesium perchlorate, anhydrous
Magnesium perchlorate, trihydrate
Magnesium sulphate, anhydrous
Perchloric acid
Perchloric acid, anhydrous
Potassium hydroxide, fused
Soda-lime
Sodium hydroxide, fused
Sodium sulphate, anhydrous

Pigments

Dispersing Agents for Pigments

Aluminum naphthenate
Aluminum palmitate
Aluminum stearate
Ammonium betatetrahydronaphthelenesulphonate
Ammonium linoleate
Amyltetrahydronaphthalenecarboxylic acid
Animal oils, sulphonated
Anthracenesulphonic acid
Butyl acetylricinoleate
Butyl ricinoleate
Castor oil, acetylated
Castor oil, sulphonated
Copper oleate
4-Cyclohexylmethylcyclohexyloxyacetic acid sodium salt
Daxad

(To be continued)

Fertilizer Materials

Agriculture Department Warns of Possible Fertilizer Shortage —Trade Still Awaiting New Prices on Several Chemicals —Feed Materials in Active Demand

The Department of Agriculture last week warned of a possible shortage of fertilizers for next year's crops. Department spokesmen said that factors contributing to the possible shortage were increased production of food for Great Britain, diversion of nitrates to ammunition output, the shipping situation and the electric power shortage in the South. Recently, a government expert and a spokeman for the fertilizer industry contended that the country's nitrogen plant capacity, plus new installations underway, would prove sufficient for all needs.

Late last week no new season prices had been announced on various chemical fertilizer materials including anhydrous ammonia, superphosphate and imported nitrate of soda. The reduction in urea prices, announced in the last issue of the REPORTER, became effective last week.

Feed materials were in active call during the period under review. Feed tankage was advanced sharply at Chicago and New York and a sympathetic increase was made in fertilizer tankage at the latter point. Blood was higher at Chicago. Cottonseed meal was hiked in the Southeast. The general market was somewhat dull.

Nitrogenates

Anhydrous Ammonia.—No announcement yet regarding new season price. Demand fair. Offerings limited.

Calcium Nitrate.—No offerings. Prices withdrawn.

Castor Pomace.—Little interest. Price steady and unchanged.

Dried Blood.—Advanced 10c. per unit at Chicago to $3.25. Good interest for feed material. Fertilizer end quiet.

Fish Scrap.—Price on futures dried menhaden held at $4.40 and 10c. per unit. Fish meal offered at $62 per ton, f.o.b. Baltimore. Interest fair.

Hoofmeal.—Market not very active. Shipments small and irregular. Price steady and unchanged.

Manganese Sulphate.—Fair movement. Price steady.

Nitrate of Soda.—Importers had as yet failed to announce new season prices. Fair movement for top-soil dressing. Imports during the first four months of 1941 totaled 257,438 tons, valued at $4,438,817, compared with 258,851 tons, valued at $4,867,170 during January-April, 1940.

Nitrogen Solution.—Fair call. Price steady.

Sulphate of Ammonia.—Market less active. Price firm.

Tankage.—Feed grade advanced 35c. per unit at Chicago to $3.85 and 10c., and 15c. per unit at New York to $3.25 and 10c. Fertilizer product advanced 10c. per unit at latter point to $3.10 and 10c.

Urea.—New car lot quotation is $80 per ton, f.o.b. Belle, W. Va., or various Eastern seaboard ports, a reduction of $5. Less car lot price is reduced $2.50 per ton to $82.50, f.o.b. Belle, W. Va., but is unchanged f.o.b. Boston, New York, Philadelphia, Wilmington or Baltimore. The price for less than five tons is $90 per short ton, f.o.b. New York and Philadelphia, a $1 re-reduction.

Price Changes

Advanced

Blood, dried, dom., 10c. per unit, f.o.b. Chi.
Cottonseed meal, 8%, $1.25 per ton, Southeast mills.
Tankage, dom., fertilizer, 10c. per unit, f.o.b. N. Y.
feed, 15c. per unit, f.o.b. N. Y.
35c. per unit, f.o.b. Chi.

Reduced

Urea, dom., 46% N., c.l., $5 per ton, f.o.b. Belle, W. Va., and several Atlantic ports.
l.c.l., $2.50 per ton, f.o.b. Belle, W. Va.
less than 5 tons, $1 per ton, f.o.b. N. Y., Phila.

Comparative Values

Index numbers compiled from four typical fertilizer materials, the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.0	68.0	68.0	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Potashes

Stocks remain quite small. Consumers are already showing a fairly good interest in new season shipments. One domestic producer as yet has not announced prices for the 1941-42 fertilizer year.

Phosphates

Bone Materials.—Good interest in feed grades. Prices unchanged. Stocks of imported material small.

Superphosphate. — Anticipated advance for the new season had not as yet been announced. Fair demand.

Phosphate Rock.—Routine call. Prices steady.

Sulphur and Pyrites

Fair movement was reported. Shipments were not overly large but were regular. Prices firm and unchanged.

Markets at Other Centers

Atlanta—June 20

The crop outlook in the Southeast has improved, with scattered showers after a prolonged drouth. Trade in fertilizer materials is quiet. Nitrate of soda is being applied as a top dressing to cotton in greater amounts than usual.

SUPERPHOSPHATE.—Nominal.

NITRATE OF SODA.—Bulk, ports, $27 per ton.

SULPHATE OF AMMONIA.—Quiet, price unchanged.

COTTONSEED MEAL.—8 percent, $27.75 to $28 per ton, Southeast.

BLOOD.—$3.25 per unit, Chicago; imported, $3.

TANKAGE.—High grade, $3.85 and 10c., Chicago.

Baltimore—June 20

The market for crude fertilizer materials has undergone no changes in the past two weeks, with the buying still of a hesitant character.

FISH OIL.—Scrap was offered in small quantities at $4.40 and 10c. per unit-ton, the price that has been adhered to of late.

SUPERPHOSPHATE.—With trading quiet, quotations remained at $8 per ton for run-of-pile and $8.50 for 16 percent flat.

TANKAGE.—Trading in domestic supplies proceeded in a moderate way on the basis of $3.25 and 10c. per unit-ton, f.o.b. Baltimore, with the market rather well sold up.

DRIED BLOOD.—Very little business is being done, with latest trades at $3.10 per unit-ton. Trading in South American material proceeded very slowly, mainly because of the lack of tonnage.

Sulphate of Ammonia

Lucrative export trade in sulphate of ammonia was halted in 1940 when the government placed this material under general licensing of the export control. An indication of the extent of the export trade last year is the 150,852 tons, valued at $5,807,628, that were shipped from United States ports, compared to the 1939 figure of 46,664 tons, valued at $1,466,077. At the start of the war sulphate of ammonia was priced at $27 per ton in bulk, and at present has risen to $29. The export price, however, climbed from about $35 in August, 1939, to as high as $45 last Fall.

Large domestic demand is expected to be accommodated this year by increased production, comparable to the 23.6 percent gain of 1940, when 1,434,383,000 pounds were produced, over 1939, when output totaled 1,160,548,000.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

★ Domestic MADE IN U.S.A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR

SUNSHINE STATE POTASH U.S.A.
A PRODUCT OF NEW MEXICO U.S.A.
REG. U. S. PAT. OFF.
MURIATE OF POTASH
62/63% K_2O, ALSO 50% K_2O
MANURE SALTS
Approximately 30% K_2O
UNITED STATES POTASH COMPANY
INCORPORATED
30 Rockefeller Plaza
New York, N. Y.

P.C.A. Red Muriate is ideal in your plant operation--Uniform in color--Uniform in analysis--Uniform in grain size.
Granular Muriate of Potash
Muriate of Potash 50% and 60%
Manure Salts
PCA
RED MURIATE
POTASH COMPANY of America
GENERAL SALES OFFICE
50 BROADWAY NEW YORK CITY

Chicago—June 20

A duller market is reported, with organics steady and featureless. Orders are mostly for immediate needs. Blood is steady and moving in routine fashion. Tankage business remains quiet. Bone materials have shown little change, although some of the buyers are indicating renewed interest after remaining out of the market.

BLOOD.—Blood, principal grade, $3.25 per unit.

TANKAGE.—High grade, feeding, $3.85 and 10c.; hoof-meal, $2.70 to $2.75; liquid stick, $1.50 to $1.75.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $35; 4½ and 50 percent, $34; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $32.50 to $35; beef cracklings, soft pressed, $37.50 to $40; pork cracklings, soft pressed, $40 to $45; hard pressed cracklings, per unit of protein, 75c. to 80c.

San Francisco—June 20

Fertilizer raw materials continue firm, with the market showing a little more action.

SULPHATE OF AMMONIA.—Domestic, $38 per ton.

SUPERPHOSPHATE. — Domestic, 80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c.

NITRATE OF SODA.—100-pound bags, $29.40 per ton, ex-vessel or warehouse. 167-pound bags, $28.70. Bulk, $27.

FISH MEAL.—Futures, $67.50 for 67 percent protein material, San Francisco Bay points. Monterey, 65 percent, $67.50. Spot meal, $75.

TANKAGE.—In better demand. Dry-rendered, ground, 50 percent, $50 per ton, f.o.b. cars; 55 percent, $54. Unground, dry-rendered, 87½c. to 90c. per unit of protein, f.o.b. cars, South San Francisco. Wet-rendered, nominally $3.25 and 10c.

BLOOD MEAL.—At $3.50 per unit, f.o.b. cars, San Francisco, and $3.30 at Los Angeles.

BONE MEAL.—Quoted at $29 to $35 per ton, delivered.

Amer. Potash Building Houses For Newly-Married Employees

The American Potash & Chemical Company, Trona, Calif., is working on a large-scale housing project, to cost $350,000, for newly-married employees. Sixty modern air-conditioned homes already have been completed, and forty more are in course of construction. The homes are rented to employees at from $15 to $18 per month.

Trade Briefs

Luminous paints from Indian ores and from calcium, strontium and barium sulphides are being made by a new low-cost process by the India.

American Smelting & Refining Company's Monterey, Mexico, plant resumed production last week when a workers' strike was settled by signing of a new two-year contract.

Ammonia sulphate plant will be established in Netherland Indies by the government under the provision of bill recently passed. The factory would have a production of 55,000 metric tons.

Crude rubber consumption in the United States during May totaled 71,187 long tons, compared with 71,374 in April and 54,513 in May, 1940, according to the Rubber Manufacturers Association.

SULPHUR?

—right away!

Today, with the wheels of industry whirling faster, demand for sulphur is going up.

The last time production was under forced draft, in 1917-1918, the United States worried about sulphur supplies being adequate. Only about one-half the nation's consumption of sulphur could be provided by domestic sources of brimstone.

Twenty-five years of prospecting, development and production have changed that picture. At the start of this year, the brimstone industry's stocks of sulphur already above ground were estimated to be adequate for two years' needs.

At our mines at Port Sulphur, Louisiana, and Freeport, Texas, we have ample stocks of above-ground sulphur, ready for immediate shipment. We have increased production, moreover, to keep abreast of the mounting needs of national defense as they are transmitted to us through our customers who use sulphur in almost numberless industrial processes.

FREEPORT SULPHUR COMPANY

122 East 42nd Street New York, N.Y.

Flavor Makers Ask Alcohol Tax Differential

—*Continued from page 3*

much greater than the revenue lost by a higher tax thus proving conclusively that their attitude of sympathy is not wholly sincere. This is particularly true as we do not feel that the figures submitted, namely, $2,300,000 for the enforcement of a differential are based on the proper facts or proper logic. They state for example, in June 30, 1933, 184,649 permits were in force and they figure that there would be an increase of five percent in this amount.

Our argument is that approximately 100,000 of these permits were for doctors and dentists granted for prescription purposes. These people would be unable to get permits at the present time because of the fact that liquor can now be bought legally at any package store, whereas in those days liquor could only be bought legally through a prescription. This in turn would cut down the number of retail druggists applying, for there would be no object in their having a permit if they were not going to sell the product.

Standards Report

Report of the standards committee stated that the standards which have been established for years for household and miscellaneous extracts are adequate for such extracts and should be adopted when flavoring standards come up for consideration. The report added:—

Because of the very high tax on ethyl alcohol which all admit is not economically sound, we suggest that the basic definition of flavoring extracts provide for the use of ethyl alcohol and/or any other solvent less toxic than ethyl alcohol which may be available.

Propylene Glycol

In this connection we would call attention to the fact that further work at Leland-Stanford University and by other competent investigators indicate that propylene glycol is less toxic than ethyl alcohol or glycerin. While it is probable that propylene glycol will not be available in quantity during the war, and while the flavoring extract industry doubtless prefers to use ethyl alcohol over any other solvent, when standards are adopted the door should be left open for other nontoxic solvents that are available or may be developed.

Vanilla Sugar

Your committee recommends that the association use its influence towards the establishment of a standard on vanilla sugar (vanilla powder). Some years ago the Navy enforced a standard for vanilla sugar which required 10 percent of vanilla beans be used in its preparation. In the trade no standard is maintained and there has been a tendency towards adjusting the quantity of vanilla beans downward to fit any particular price requirement. In order to be comparable to vanilla extract, your Committee believes that vanilla sugar should contain 10 percent of vanilla beans, or the extractives therefrom. It is our opinion that the interest of the responsible manufacturer will be better served by the adoption of a definite standard for the bean content of vanilla sugar.

Flavoring Emulsions

Your committee recommends that all flavoring emulsions and non-alcoholic pure flavorings should be required to contain the same amount of essential oil or other active flavoring ingredient as is required in the alcoholic standard extract.

Research Report

Louis A. Rosett, of the Florasynth Laboratories, as chairman of the research committee, told of the studies of the problems of antioxidants. He said that the materials with which they worked were gum guaiac and isothymol. Discussing other considerations made during the year Mr. Rosett reported on the production and possible use of vanillons.

Legislation

John S. Hall, executive secretary, in his report, discussed the legislation during the year as pertaining to the industry. Discussing legislation, Mr. Hall said:—

From my observation during developments of the past several years, and as heretofore discussed, I believe that we are entering an era when the efforts of business large and small, to operate profitably is becoming increasingly encumbered by Federal and State laws, through rules and regulations promulgated by control officials as well as by injunction of complicated legal decisions. The time has come when no one can "take a chance." Everybody must know how to play the game in accordance with rules in force and effect. Ignorance of Federal and State laws or rules and regulations promulgated thereunder by the control officials may expose your business to severe penalties. Therefore in the expenditure of any large sums of money to fabricate certain foods, in the purchase of containers and labels and adoption of selling or advertising campaigns it is necessary for each and everyone individually to check carefully the laws relating to said articles, to avoid the dangers of cutting around the corners, and any false security that the Federal and State agencies will not estop or crack down on the program after it has once been inaugurated.

C. L. Fordwell, of McCormick & Co., as chairman of the legislation committee, warned the association that regulation with reference to weights and measures were being studied. He said that a number of standardized container bells were being studied.

State Trade Barriers

The extreme seriousness of State trade-barrier laws was brought home to the association when Paul T. Truitt, of the Department of Commerce, declared that studies indicate that approximately 3,000 laws have been enacted, largely since 1920. Mr. Truitt is chairman of the interdepartmental committee on interstate trade barriers, which is cooperating closely with the Council of State Governments in a campaign to discourage the enactment of such statutes and the repeal or modification of existing trade-barrier laws.

Tax Plan for Profits Takes Shape in House

—*Continued from page 4*

would make the much higher rates under excess profits tax law apply to the larger amount of income, while the lower Federal corporation tax rates would be applicable after the deduction of excess profits taxes.

Some of the corporate surtax provisions of the proposal submitted to the committee by the Treasury Department have been accepted and will be made a part of the new tax law before it is reported out by the committee.

It is estimated that this program would yield approximately $1,260,000,000, compared with $1,770,000,000 under the Treasury proposal.

The committee is now studying the various proposals which have been submitted for increases in estate and gift taxes. It is reported that surtax rates on individual incomes will be substantially lower than the 11 percent minimum recommended by Assistant Secretary of the Treasury John L. Sullivan.

Dunning Gets Sc.D. Degree

Henry A. B. Dunning, Phar.M., Phar.D., president of Hynson, Westcott & Dunning, pharmaceutical manufacturer, Baltimore, was awarded the honorary degree of doctor of science by the University of Maryland at its 1941 commencement exercises. This honor was bestowed in recognition of Dr. Dunning's contributions to science and the practice of pharmacy. He is a graduate of the university's school of pharmacy.

Dyeing textiles by the use of barks, roots, flowers and fruits is being studied by the Bombay government.

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Seven-hundred-fifty-fourth Recapitulative Instalment

1-Acetamino-7-naphthol

Chemical

Reactant in—
Organic synthesis

Dye

Reactant (Brit. 493781) in making—
Dyes for furs, pelts, and hair (used after treatment by a chrome tannage process)

Beta'-diethylaminoethyl-alphaphenyl Normal Valerate

Pharmaceutical

Claimed (Brit. 483704) to have—
Marked spasmolytic properties and only very slight toxic action

Calcium d-Saccharate

Pharmaceutical

In compounding and dispensing practice
Stabilizer for—
Calcium gluconate solutions

3-Chlor-10-paradiethyl-aminoethoxyanilino-acridin Dihydrochloride

Pharmaceutical

Claimed (Brit. 441007, 441132, and addition to 363392) as—
New pharmaceutical

4:8-Dichlor-6:7-benzo-quinolin

Pharmaceutical

Claimed (Brit. 481874) to be—
Useful in destroying blood parasites (malaria), amebae, and worm infections

4':4"-Dihydroxy-2:2':3"-trimethoxyfuchsone

Dye

Intermediate (Brit. 485228, 485266, and 502216) in making—
Synthetic dyestuffs

Pharmaceutical

Claimed (Brit. 485228, 485266, and 502216) to have—
Medicinal properties

Ethylphenyl Glycidate

Beverage

Pineapple base in—
Flavoring agent used for soft drinks, fountain syrups, and the like

Food

Pineapple base in—
Flavoring agents used for jams, jellies, fillings, puddings, candy, cakes, ice cream, and the like

Furoyl Chloride

Food

Substitute for—
Chloropicrin in disinfecting grain elevators

6-Gammahydroxypropyl-amino-2-paraacetamido-1-methylquinolinium Methiodide

Pharmaceutical

Claimed (Brit. 495783) to be—
Valuable as trypanocide, advantageous in being more soluble and less toxic than known 2-styryl-quinolinium salts

Iminostearylamino-ethylimidazolin Sulphate

Rayon

Delustering agent (Brit. 503548) for—
Viscose rayon

Isobutyldecoisobutyl-amide

Insecticide

Toxic agent (Brit. 503490 and 503507) in—
Insecticidal preparations

Isobutyl-Mercury Sulphate

Rubber

Preservative (Brit. 499578) for—
Latex

Methyl Abietate

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Adhesives

High-boiling solvent and plasticizer in—
Adhesive compositions containing nitrocellulose or ethylcellulose

Cellulose Products

High-boiling solvent and plasticizer for—
Ethylcellulose
Nitrocellulose

Ceramic

High-boiling solvent and plasticizer in—
Compositions, containing nitrocellulose, or ethylcellulose, or chlorinated rubber, used as coatings for protecting and decorating ceramic products

Chemical

High-boiling solvent and plasticizer for—
Ethylcellulose
Nitrocellulose

Cosmetic

Fixative for—
Aromatic oils
High-boiling solvent and plasticizer in—
Nail enamels and lacquers containing nitrocellulose as base material

Electrical

High-boiling solvent and plasticizer in—
Insulating compositions, containing nitrocellulose or ethylcellulose, used for covering wire and in making electrical machinery and equipment

Explosives

High-boiling solvent and plasticizer for—
Nitrocellulose

Glass

High-boiling solvent and plasticizer in—
Compositions, containing nitrocellulose, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Ink

Plasticizer and solvent in—
Nondrying inks

Leather

High-boiling solvent and plasticizer in—
Compositions, containing nitrocellulose or ethylcellulose, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabrication

High-boiling solvent and plasticizer in—
Compositions, containing nitrocellulose or ethylcellulose, used as coatings for protecting and decorating metallic articles

Miscellaneous

High-boiling solvent and plasticizer in—
Coating compositions, containing nitrocellulose or ethylcellulose, used for protecting and decorating articles of various types

Paint, Varnish, and Lacquer

High-boiling solvent in—
Enamels, paints, varnishes, lacquers, dopes, and the like
Plasticizer for—
Chlorinated rubber
Ethylcellulose
Nitrocellulose

Paper

High-boiling solvent and plasticizer in—
Compositions, containing nitrocellulose or ethylcellulose, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp
Transparentizing agent for—
Paper

Perfume

Fixative for—
Essential oils

Plastics

High-boiling solvent and plasticizer in making—
Laminated fiber products
Molded products
Plastics from or containing cellulose esters or ethers

Resins

Extender for—
Phenolic varnish resins
High-boiling solvent and plasticizer in making—
Artificial resins from or containing cellulose esters or ethers

Rubber

High-boiling solvent and plasticizer in—
Compositions, containing nitrocellulose or ethylcellulose, used as coatings for protecting and decorating rubber goods

Photographic

High-boiling solvent and plasticizer in making—
Films from nitrocellulose

Stone

High-boiling solvent and plasticizer in—
Compositions, containing nitrocellulose or ethylcellulose, used as coatings for decorating and protecting artificial and natural stone

Textile

High-boiling solvent and plasticizer in—
Compositions, containing nitrocellulose or ethylcellulose, used in the manufacture of coated fabrics

Wood

High-boiling solvent and plasticizer in—
Compositions, containing nitrocellulose or ethylcellulose, used as protective and decorative coatings on woodwork

Naphthaleneacetamide

Agricultural

Color-improvement promoter for—
Apples
Growth promoter for—
Apples
Holly berries
Parthenocarpic fruits, such as bananas, navel oranges, strawberries, watermelons, and the like
Preventer of—
Apple falls (dropping) during the ripening period (claimed to be equally efficient for various varieties, such as Staymaan winesap, McIntosh, or York imperial; dose rate is about one-half teaspoonful to 100 gallons of water; possibly may be combined with the regular spray program)
Rooting promoter for—
Root cuttings which are slow to root

Sodium Sulphoantimoniate

(Schlippe's Salt, Sodium Sulphantimoniate, Sodium Sulphoantimoniate, Sodium Sulphantimonate, Sodium Thioantimoniate, Sodium Thioantimonate)

Analysis

Reagent in—
Analytic processes involving control and research in science and industry
Reagent in testing for—
Alkaloids

Photographic

Reagent for—
Varying porosity of films

Tetrahydronaphthalene Sodium-Sulphonate

(Tetralin Sodium-Sulphonate)

Chemical

Dispersing agent
Emulsifying assistant

Fats, Oils, and Waxes

Dispersing agent

Miscellaneous

Dispersing agent and emulsifying assistant in—
Cleaning compounds
Sizing compounds

Paper

Dispersing agent in—
Sizing compositions

Soap

Dispersing agent and emulsifying assistant in—
Soaps
Special soaps

Textile

Dispersing agent in making—
Emulsified printing pastes
Emulsified scouring compositions
Emulsified sizing compositions
Textile soaps

Triocenolpyridinium Phosphite

Lubricant

Starting point (Brit. 457548) in making—
High-pressure lubricants, die-making lubricants, and boring, drilling, cutting, and wire-drawing oils by solution, dispersion, or emulsification in carriers, such as minerals, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal

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Imports at U. S. Ports

New York Imports

ACID, TARTARIC—40 bbls, Elbert & Co, Buenos Aires
10 bbls, Elbert & Co, Buenos Aires
ALOE—150 cs, Selma Mercantile Corp, Curacao
ALTHEA ROOT—23 bls, Kachurin Drug Co, Barcelona
ANISE—92 bgs, R Hillier Son Co, Alicante
ANTIMONY ORE—1,548 bgs, Bank Minero de Bolivian, Antofagasta
501 bgs, Metal Traders, Inc, Valparaiso
424 bgs, Metal Traders, Inc, Valparaiso
ARROWROOT—600 bbls, Morningstar Nicol, St Vincent
600 bgs, Morningstar Nicol, St Vincent
BABASSU KERNELS—1,666 bgs, General Food Co, Sao Luiz
BOLDO LEAVES—74 bls, S B Penick & Co, Valparaiso
BRISTLES—32 cs, F H Cone & Co, Bombay
18 cs, Chesnut, Cooper & Co, Bombay
30 cs, Midland Bank, Bombay
6 cs, H Rosenhirsch Co, Bombay
15 cs, Chesnut, Cooper & Co, Bombay
10 cs, M Broverman & Son, Bombay
5 cs, F H Cone & Co, Bombay
5 cs, F Rosenthal & Co, Guayaquil
CALCIUM TARTRATE—1,473 bgs, A Mevi, Buenos Aires
500 bgs, American Cream Tartar Co, Piraeus
CANARY SEED—845 bgs, H S Cramer & Co, Buenos Aires
CARDAMOM—28 cs, S B Penick & Co, Colombo
23 cs, Dodge & Olcott Co, Colombo
40 cs, Volkart Bros, Colombo
10 cs, Joenesson & Cross, Colombo
27 bgs, W E Martin, Puerto Barrios
CAROB BEAN FLOUR—100 bgs, S B Penick & Co, Piraeus
CASCARILLA BARK—176 bls, Bankers Trust Co, Guayaquil
CASEIN—834 bgs, Eugenio Lang, Buenos Aires
834 bgs, American Cyanamid & Chem Co, Buenos Aires
1,334 bgs, National City Bank, Buenos Aires
835 bgs, Packing Product Co, Buenos Aires
2,550 bgs, Casein Co of America, Buenos Aires
167 bgs, National City Bank, Buenos Aires
793 bgs, American British Chemical Supplies, Buenos Aires
792 bgs, Casein Co of America, Buenos Aires
834 bgs, National City Bank, Buenos Aires
834 bgs, Eugenio Lang, Buenos Aires
667 bgs, H S Cramer & Co, Buenos Aires
834 bgs, National City Bank, Buenos Aires
834 bgs, American British Chemical Supplies, Buenos Aires
417 bgs, H S Cramer & Co, Buenos Aires
184 bgs, Freischman, Burd & Co, Buenos Aires
834 bgs, American Cyanamid & Chem Co, Buenos Aires
667 bgs, H S Cramer & Co, Buenos Aires
850 bgs, Casein Co of America, Buenos Aires
668 bgs, A Hurst & Co, Buenos Aires
500 bgs, H S Cramer & Co, Buenos Aires
835 bgs, Chase National Bank, Buenos Aires
500 bgs, A Hurst & Co, Buenos Aires
334 bgs, Chase National Bank, Buenos Aires
CASTOR BEANS—1,153 bgs, Spencer Kellogg & Sons, Rio Janeiro
585 bgs, Spencer Kellogg & Sons, Rio Janeiro
3,400 bgs, Lloyd Brasileiro, Bahia
3,006 bgs, Lloyd Brasileiro, Bahia
1,118 bgs, Maceio
1,214 bgs, Baker Castor Oil Co, Maceio
1,700 bgs, Recife
2,000 bgs, Baker Castor Oil Co, Recife
1,667 bgs, Bank of London South America, Cabedello
1,566 bgs, Baker Castor Oil Co, Fortaleza
1,560 bgs, National City Bank, Fortaleza
1,647 bgs, Fortaleza
1,248 bgs, Baker Castor Oil Co, Fortaleza
1,571 bgs, Fortaleza
1,650 bgs, Baker Castor Oil Co, Fortaleza
1,115 bgs, Bunge North America Grain Co, Fortaleza
1,000 bgs, Baker Castor Oil Co, Sao Luiz
CHAMOMILE FLOWERS—134 cs, S B Penick & Co, Piraeus
CHINA CLAY—5 cs, Wisconsin Porcelain Co, Bahia
CELERY SEED—108 bgs, Otto Gerdau Co, Karachi
107 bgs, A G Dunn, Karachi
CHILLIES—107 bgs, East India Trading Co, Bombay
CINCHONA BARK—250 bgs, Central American Plantation Corp, Puerto Barios
CINNAMON QUILLS—100 bls, I Harrison & Whitney, Colombo
25 bls, C T Wilson & Co, Colombo
100 bls, E S Klinko, Colombo
125 bls, C M Van Sillevoldt, Colombo
25 bls, E S Klinko, Colombo
100 lbs, C T Wilson & Co, Colombo
63 bls, C M Van Sillevoldt, Colombo
75 bls, E S Klinko, Colombo
1,122 bls, Volkart Bros, Colombo
340 bls, C M Van Sillevoldt, Colombo
100 bls, Archibald & Kendall, Colombo
180 bls, Colombo
200 bls, Catz American Co, Colombo
COCOA BEANS—340 bgs, Nieschlag & Co, Guayaquil
250 bgs, General Cocoa Co, Guayaquil
500 bgs, W R Grace & Co, Guayaquil
500 bgs, A Canale, Guayaquil
50 bgs, S Stern Stiner & Co, Maracaibo
500 bgs, Nieschlag & Co, Puerto Cabello
150 bgs, Struiler & Wood, Puerto Prince
80 bgs, Guaranty Trust Co, Helem
168 bgs, Scholtz & Co, La Guaira
50 bgs, Guaranty Trust Co, Helem
191 bgs, Scholz & Co, La Guaira
500 bgs, Machado & Co, La Guaira
160 bgs, Scholtz & Co, La Guaira
65 bgs, Schutte & Focke, Trujillo
2,454 bgs, Curacao Trading Co, Trujillo
COCONUTS—840 bgs, General Food Co, St Lucia
200 bgs, Mr Walters, St Lucia
382 bgs, I L Toledano Corp, Cristobal
CORK—73 bls, National Carloading Corp, Barcelona
FLOATS—225 bls, Panama Pacific Line, Barcelona
VIRGIN—318 bls, Mundet Cork Corp, Lisbon
WASTE—1,250 bls, Mundet Cork Corp, Lisbon
950 bls, Mundet Cork Corp, Lisbon
1,500 bls, Mundet Cork Corp, Lisbon
2,311 bls, Mundet Cork Corp, Lisbon
618 bls, Mundet Cork Corp, Lisbon
WOOD—49 bls, Mundet Cork Corp, Lisbon
COTTON LINTERS—128 bls, Rio de Janeiro
150 bls, England Waste Co, Rio de Janeiro
478 bls, American Cotton Product Co, Rio de Janeiro
92 bls, National Bank Trust Co, Cristobal
28 bls, Cristobal
58 bls, Wessel, Duval & Co, Cristobal
102 bls, Lush Cotton Product Co, Recife
49 bls, Manufacturers Trust Co, Recife
172 bls, Schimer Trading Co, Recife
158 bls, Commercial National Bank Trust Co, Cabedello
155 bls, Irving Trust Co, Cabedello
382 bls, Lush Cotton Product Co, Natal
58 bls, Cowa Co, Natal
MOTES—129 bls, Rio de Janeiro
CUMIN SEED—1,010 bgs, Toledano & J M Pinto, Karachi
177 bgs, Knickerbocker Mills Co, Bombay
354 bgs, Becker-Mayer Seed Co, Bombay
177 bgs, C M Van Sillevoldt, Bombay
168 bgs, Ideal Trading Co, Bombay
168 bgs, A G Dunn, Bombay
160 bgs, H Ehnalen Corp, Bombay
252 bgs, Ideal Trading Co, Bombay
160 bgs, H Ehnalen Corp, Bombay
132 bgs, Ideal Trading Co, Bombay
86 bgs, East Asiatic Co, Bombay
200 bgs, Royal Bank of Canada, Bombay
200 bgs, Anglo California National Bank, Bombay
DERRIS ROOT—86 bgs, S B Penick & Co, Singapore
DILLSEED—80 bgs, Hinton & Co, Bombay
533 bgs, Trust Co of North America, Bombay
200 bgs, S Davis & Co, Bombay
200 bgs, East Asiatic Co, Bombay
400 bgs, East Asiatic Co, Bombay
690 bgs, Kachurin Drug Co, Bombay
345 bgs, Kachurin Drug Co, Bombay
DIVI-DIVI—3,240 bgs, J Martland, Ltd, Barranquilla
DRUGS, VEGETABLE — 16 bls, Buenos Aires
8 bls, Peek & Velsor, Buenos Aires
2 bls, Corn Exchange Bank Trust Co, Buenos Aires
ERGOT—100 bgs, R Hillier Son Co, Lisbon
7 cs, J B de Macedo & Stock, Inc, Lisbon
ERYTHRYME SEED—26 bgs, Merck & Co, Cristobal
FENNEL SEED—40 bgs, Trust Co of North America, Buenos Aires
110 bgs, Bombay
100 bgs, Levy & Levis Co, Bombay
FLAXSEED — 321 bgs, 706 bu, Kniper & Bolle, Buenos Aires
3,484 bgs, 7,664 bu, Buenos Aires
FLEASEED — 62 bgs, Kachurin Drug Co, Bilbao
67 bgs, Bombay
HUSK—274 bgs, Kachurin Drug Co, Bombay
40 bgs, Peek & Velsor, Bombay
260 bgs, R J Prentiss & Co, Bombay
197 bgs, Kachurin Drug Co, Bombay
FLOWERS, MED—7 bls, Atlantic Freighting Co, Barcelona
GALLS, CONC—22 tcs, Swift & Co, Buenos Aires
28 tcs, Swift & Co, Buenos Aires
25 tcs, Armour & Co, Santos
GAMBIER BLOCK—157 cs, E E Androvette, Strait Settlements
CUBE—210 bgs, E E Androvette, Strait Settlements
GENTIAN ROOT—47 bls, Kachurin Drug Co, Bilbao
89 bls, A E Rittwagen, Vigo
GINGER ROOT—80 bgs, Jewett & Sherman, Bombay
80 bgs, I S Toledano & J M Pinto, Bombay
250 bgs, B H Old & Co, Bombay
265 bgs, B H Old & Co, Bombay
300 bgs, Volkart Bros, Alleppey
GLANDS—8 cs, 3 Soendsen, Buenos Aires
58 cs, Buenos Aires
51 cs, 2 tcs, Swift & Co, Buenos Aires
BEEF SUPRARENAL—16 cs, Swift & Co, Montevideo
GLUE HIDE—208 bgs, Transatlantic Animal By-Product Co, Montevideo
208 bgs, Transatlantic Animal By-Product Co, Montevideo
GLUESTOCK—35 bls, Montevideo
702 bgs, Darnstadt, Scott & Courtney, Bombay
GRAPHITE—333 bgs, Joseph Dixon Crucible Co, Colombo
250 bgs, C E Pettinos, Colombo
616 bgs, Paterson, Boardman & Knapp, Colombo
286 bgs, Joseph Dixon Crucible Co, Colombo
572 bgs, Asbury Graphite Mills, Colombo
1,232 bgs, C E Pettinos, Colombo
276 bgs, Paterson, Boardman & Knapp, Colombo
250 bgs, Joseph Dixon Crucible Co, Colombo
666 bgs, Joseph Dixon Crucible Co, Colombo
534 bgs, Joseph Dixon Crucible Co, Colombo
276 bgs, Paterson, Boardman & Knapp, Colombo
250 bgs, Asbury Graphite Mills, Colombo
308 bgs, C E Pettinos, Colombo
283 bgs, Joseph Dixon Crucible Co, Colombo
286 bgs, J F Starkey & Co, Colombo
GREAVES—1,563 cakes, Van Iderstine Co, Buenos Aires
517 cakes, Weaver & Hugi, Buenos Aires
5 bgs, Weaver & Hugi, Buenos Aires
GUAIAC EXTRACT—4 cs, Buenos Aires
GUM, CHICLE—480 bgs, Chicle Development Co, Puerto Barrios
DAMMAR—100 cs, Gillespie-Rogers Pyatt Co, Singapore
420 bgs, American Cyanamid & Chem Co, Singapore
210 bgs, Stroock & Wittenberg, Singapore
210 bgs, Thurston & Braidich, Singapore
GUM, DAMMAR—210 bgs, G W S Patterson & Co, Singapore
210 bgs, O G Innes Corp, Singapore
192 bgs, S Winterbourne & Co, Singapore
100 cs, Gillespie-Rogers-Pyatt Co, Singapore
100 cs, American Cyanamid & Chem Co, Singapore
210 bgs, Thurston & Braidich, Singapore
140 bgs, O G Innes Corp, Singapore
50 cs, S Winterbourne & Co, Singapore
140 bgs, Stroock & Wittenberg, Singapore
192 bgs, S Winterbourne & Co, Singapore
50 cs, Stroock & Wittenberg, Singapore
GHATTI—68 bgs, Innis, Speiden & Co, Bombay
34 bgs, Innis, Speiden & Co, Bombay
KARAYA—200 bgs, Frank Vliet Co, Bombay
200 bgs, Innis, Speiden & Co, Bombay
133 bgs, Thurston & Braidich, Bombay
426 bgs, W M Allison & Co, Bombay
333 bgs, Innis, Speiden & Co, Bombay
210 bgs, Jacques Wolf & Co, Bombay
266 bgs, Innis, Speiden & Co, Bombay
133 bgs, W M Allison & Co, Bombay
133 bgs, Frank Vliet Co, Bombay
KATERA—318 bgs, Rohner, Gehrig & Co, Bombay
TRAGACANTH—526 bgs, E Meer & Co, Bombay
306 bgs, E Meer & Co, Bombay
ILMENITE—1,000 tons, C Tennant Sons & Co, Koiltholtdam
INK, PRINTING—7 cs, Young & Glenn, Buenos Aires
IPECAC ROOT—7 bgs, Murbas Trading Co, Port Limon
6 bls, S B Penick & Co, Rio Janeiro
LAVENDER FLOWERS—67 bls, R Hillier Son Co, Alicante
100 bls, E Meer & Co, Alicante
LEAVES, MED—111 lbs, S B Penick & Co, Barcelona
95 bls, Kachurin Drug Co, Barcelona
LICORICE ROOT—230 bls, E Meer & Co, Alicante
142 bls, R Hillier Son Co, Alicante
34 bls, R Prentiss & Co, Alicante
35 bls, Superintendence Co, Piraeus
147 bls, F D Keller, Piraeus
LIME JUICE—15 cks, W J Bush & Co, Roseau
MANGROVE BARK EXTRACT—5,000 bgs, Saxe Cutch Co, Singapore
2,000 bgs, Saxe Cutch Co, Singapore
MARJORAM LEAVES—40 bgs, A Villagram, Arica
MATCHES—400 cs, Atlantic Forwarding Co, Trinidad
MATE—10 cs, P Unanue, Buenos Aires
MEAT EXTRACT—500 cs, Swift & Co, Montevideo
MEDICINAL PREPS—1 cs, Picot Lab, Inc, Guayaquil
14 cs, Sandoz Chem Works, Lisbon
6 cs, Sharp & Dohme, Havana
4 cs, American Express Co, Buenos Aires
8 cs, Bisleri & Co, Buenos Aires
2 cs, Fred Stearns & Co, Buenos Aires
43 cs, C A Haynes & Co, Buenos Aires
84 cs, D C Andrews & Co, Buenos Aires
96 cs, D C Andrews & Co, Santos
14 cs, E Spidel, Thessaloniki
MICA—3 cs, Santos
92 cs, Eugene Munsell & Co, Rio Janeiro
100 cs, Rio Janeiro
BLOCK—29 cs, O Gerdau Co, Calcutta
31 cs, Chase National Bank, Calcutta
FILM—6 cs, O Gerdau Co, Calcutta
SPLITTINGS—70 cs, O Gerdau Co, Calcutta
750 cs, Chase National Bank, Calcutta
2,311 cs, Chase National Bank, Calcutta
2,660 cs, Chase National Bank, Calcutta
MINERAL—250 bgs, Asbestos Corp of America, Recife
NUTMEGS—150 bgs, Thomas Scott & Co, Grenada
100 bgs, A G Dunn, Grenada
50 bgs, Thomas Scott & Co, Grenada
NUX VOMICA—280 bgs, American Express Co, Alleppey
OIL—3 cs, C W Botkay, Rio Janeiro
CANANGA—2 dms, Guaranty Trust Co, Batavia
7 dms, Irving Trust Co, Batavia
4 dms, Continental Bank Trust Co, Batavia
CINNAMON BARK—1 cs, Ungerer & Co, Colombo
CINNAMON LEAF—4 dms, Volkart Bros, Colombo
CITRONELLA—20 dms, Dodge & Olcott Co, Colombo
14 dms, Manufacturers Trust Co, Batavia
58 dms, Batavia
58 dms, National City Bank, Batavia
15 dms, New York Trust Co, Batavia
24 dms, New York Trust Co, Batavia
24 dms, Batavia
15 dms, New York Trust Co, Batavia
29 dms, Batavia
CITRUS—8 cs, C W Botkay, Rio de Janeiro
CORN—150 dms, Buenos Aires
ESSENTIAL—40 cs, Rohner, Gehrig & Co, Lisbon
7 dms, H A Sothern, Puerto Barrios
56 bbls, H A Sothern, Puerto Barrios
FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
68,023 bbls, Asiatic Petroleum Corp, Curacao
JASMINE—2 pkgs, Dodge & Olcott Co, Trinidad
LEMONGRASS — 12 dms, Volkart Bros, Alleppey
LIME—7 cs, Barclay Bank, Grenada
OITICICA—125 dms, Arnold Dorr Co, Rio de Janeiro
430 dms, Brazil Oiticica Co, Rio de Janeiro
245 dms, Murray Oil Product Co, Rio de Janeiro
311 dms, S L Jones & Co, Rio de Janeiro
50 dms, Arnold Dorr Co, Rio de Janeiro
75 dms, Brazil Oiticica Oil Co, Rio de Janeiro
276 dms, S L Jones & Co, Rio de Janeiro
252 dms, Murray Oil Product Co, Cabedello
250 dms, W R Grace & Co, Cabedello
OLIVE—240 cs, D Angiola, Piraeus
290 cs, W A Taylor & Co, Piraeus
240 cs, J Ossola & Co, Piraeus
240 cs, Otto & Hagen Corp, Piraeus
250 cs, W A Taylor & Co, Piraeus
45 cs, Schroeder Bros, Piraeus
245 cs, J Ossola & Co, Piraeus
ORANGE—25 crates, Biological Raw Product Co, Santos
OIL, PALM—560 tons, Banque Belge pour l'Etranger, Belawan Deli
PATCHOULI—4 cs, Batavia
PETITGRAIN—75 cs, W R Grace & Co, Buenos Aires
3 dms, Buenos Aires
17 dms, Goudrand Shipping Co, Buenos Aires
2 dms, Buenos Aires
10 dms, Buenos Aires
ROSEWOOD—32 dms, Norda Essential Oil & Chem Co, Helem
SAGE—81 cs, Norda Essential Oil & Chem Co, Thessaloniki
VETIVER—2 dms, Volkart Bros, Batavia
3 dms, National City Bank, Batavia
8 dms, Batavia
OLEO STEARIN — 907 bgs, Swift & Co, Montevideo
PAPAIN—11 cs, R J Prentiss & Co, Colombo
20 cs, S B Penick & Co, Colombo
10 cs, R J Prentiss & Co, Colombo
11 half chests, R J Prentiss & Co, Colombo
PAPRIKA—100 bgs, McLaughlin, Gormley & King, Alicante
100 bgs, M Colambeck, Alicante
100 bgs, J Raphael & Son, Alicante
35 bgs, W Goetzel, Alicante
100 bgs, J B de Macedo & Stock, Lisbon
PEPPER—480 bgs, Volkart Bros, Alleppey
240 bgs, A G Dunn, Alleppey
240 bgs, Bingham & Co, Alleppey
800 bgs, Volkart Bros, Alleppey
PLANTS, MED—30 cs, J Loewith, Thessaloniki
POPPYSEED—191 bgs, B H Old & Co, Karachi
240 bgs, Mincing Trading Co, Bombay
133 bgs, Becker Mayer Seed Co, Bombay
133 bgs, Wagner Bros Seed Co, Bombay
55 bgs, Hinton & Co, Bombay
160 bgs, Martin Witsenburg, Bombay
160 bgs, Ideal Trading Co, Bombay
320 bgs, R J Spitz, Bombay
QUEBRACHO EXTRACT—2,906 bgs, Tannin Corp, Buenos Aires
5,000 bgs, International Product Corp, Buenos Aires
1,350 bgs, International Product Corp, Buenos Aires
1,989 bgs, Tannin Corp, Buenos Aires
1,319 bgs, Tannin Corp, Buenos Aires
QUININE SULPHATE—80 cs, Guaranty Trust Co, Batavia
RAPESEED—100 bgs, Levy & Levis Co, Karachi
90 bgs, Levy & Levis Co, Karachi
1,273 bgs, Kniper & Bolle, Buenos Aires
424 bgs, A G Dunn, Buenos Aires
SAGE LEAVES—54 bls, Kachurin Drug Co, Bilbao
147 bls, Superintendence Co, Piraeus
177 bls, Bank of Athens, Piraeus
SANDALWOOD—274 bdls, Volkart Bros, Alleppey
SAPONIN—42 cs, W R Grace & Co, Valparaiso
SCHEELITE—127 bgs, W R Grace & Co, Arica
SHARK LIVER—11 kgs, Washburn Crosby, Rio Janeiro
SHELLAC—500 bgs, 100 cs, Schwab Bros Corp, Calcutta
100 bgs, Cornelis & Suhr, Calcutta
950 bgs, A Hurst & Co, Calcutta
200 bgs, Mercantile Import & Export Co, Calcutta
100 bgs, Ralli Bros, Calcutta
50 bgs, MacLac Co, Calcutta
300 bgs, Lind, Mayer & Co, Calcutta
100 bgs, E E Androvette, Calcutta
BUTTONLAC—50 bgs, A Hurst & Co, Calcutta
SEEDLAC—125 bgs, Mantrose Corp, Calcutta
200 bgs, Schwab Bros Corp, Calcutta
100 bgs, Cornelis & Suhr, Calcutta
100 bgs, Ralli Bros, Calcutta
200 bgs, Mercantile Imports & Exxport, Calcutta
SOAP BARK—264 bls, W R Grace & Co, Valparaiso
237 bls, S B Penick & Co, Valparaiso
383 bls, W R Grace & Co, Valparaiso
SPONGES—13 bls, West Indies Co, Havana
SQUILLS—46 bgs, Kachurin Drug Co, Bombay
80 bgs, A D Isbetcherian, Bombay
TALLOW—280 bbls, Guaranty Trust Co, Buenos Aires
275 bbls, Guaranty Trust Co, Buenos Aires
537 tcs, N Wolloch, Buenos Aires
280 bbls, Guaranty Trust Co, Buenos Aires
535 bgs, Armour & Co, Buenos Aires
TAMARINDS—6 kgs, Schneider Bros & Co, St Lucia
3 cks, F S Maynard & Son, St Lucia
TANKAGE—2,032 bgs, C Hollinshed Co, Montevideo
2,000 bgs, Swift & Co, Buenos Aires
2,032 bgs, Tupman, Thurlow & Co, Buenos Aires
1,500 bgs, Swift & Co, Buenos Aires
2,540 bgs, Tupman, Thurlow & Co, Buenos Aires
1,400 bgs, Swift & Co, Buenos Aires
4,500 bgs, Swift & Co, Buenos Aires
500 bgs, Buenos Aires
TANTALITE—51 bgs, Cabedello
TAPIOCA FLOUR—1,000 bgs, Bank of New York, Rio Janeiro
500 bgs, Bank of New York, Rio Janeiro
10 bgs, Rockland Laundry Co, Havana
TARTAR—261 bgs, Charles Pfizer & Co, Alicante
THYME LEAVES—40 bls, Irving Trust Co, Barcelona
TIMBO ROOT, PWD—420 bgs, Helem
TONKA BEANS—8 cks, Irving Trust Co, Port Spain
9 cs, Irving Trust Co, Trinidad
TUCUM KERNELS—500 bgs, General Food Corp, Sao Luiz
TURMERIC—314 bgs, B H Old & Co, Bombay
80 bgs, Volkart Bros, Alleppey
FINGERS—960 bgs, Volkart Bros, Alleppey
240 bgs, Knickerbocker Mills Co, Alleppey
640 bgs, Volkart Bros, Alleppey
240 bgs, A G Dunn, Alleppey
VANADIUM—6,116 bgs, Vanadium Corp of America, Valparaiso
112 bgs, Vanadium Corp of America, Valparaiso
VANILLA BEANS—4 cs, Roseau
1 cs, I Herman, Rio Janeiro
WAX, BEES—135 bgs, Duncan, Fox & Co, Talcahuano
513 bgs, Rio Janeiro
375 bgs, Rio Janeiro
206 bgs, Duncan, Fox & Co, Talcahuano

WAX, BEES—162 bgs, W R Grace & Co, Valparaiso
7 bgs, F D Keller, Cristobal
9 bdls, Pan-American Export & Import, Puerto Barrios
10 bgs, J A Medina & Co, Porto Barrios
26 bls, Geck Trading Corp, Porto Barrios
100 bgs, Wessel, Duval & Co, Rio Janeiro
20 bgs, Trujillo
CARNAUBA—56 bgs, W R Grace & Co, Rio Janeiro
112 bgs, Wessel, Duval & Co, Rio Janeiro
80 bgs, Rio Janeiro
35 bgs, Innis, Speiden & Co, Natal
56 bgs, W R Grace & Co, Fortaleza
53 bgs, Kuvi Polish Co, Fortaleza
17 bgs, Hardie Trading Co, Fortaleza
48 bgs, Oychem Trading Co, Fortaleza
OURICURY—29 bgs, Brown Bros Harrimann Co, Rio Janeiro
WOLFRAM ORE—17 cks, J J Gavin & Co, Lisbon
97 bgs, J J Gavin & Co, Lisbon

New York Transit Imports

APRICOT KERNELS — 14 bgs, Karachi, Toronto
CINNAMON QUILLS—150 bls, R T French Co, Colombo, Rochester
CORIANDER SEED—200 bgs, Sokol & Co, Valparaiso, Chicago
CUMIN SEED—96 bgs, Sokol & Co, Bombay, Chicago
DILLSEED—200 bgs, Sokol & Co, Bombay, Chicago
ERGOT — 20 cs, Eli Lilly & Co, Lisbon, Indianapolis
GLANDS, BEEF SUPRARENAL — 8 tcs, Parke, Davis & Co, Montevideo, Detroit
GRAPHITE — 250 bgs, Superior Flake Graphite Co, Colombo, Chicago
MICA SPLITTINGS—130 cs, Canadian General Electric Co, Calcutta, Toronto
MANIOC FLOUR—500 bgs, Arnold Hoffman Co, Rio de Janeiro, Providence
SESAME SEED—136 bgs, Sokol & Co, Bombay, Chicago
TEAWASTE—1,000 bgs, Citro Chem Co, Calcutta, Maywood
995 bgs, Maywood Chem Works, Calcutta, Maywood
TURMERIC FINGERS—304 bgs, Alleppey, Hamilton

Baltimore Imports

CHROME ORE—4,000 tons, Masinloc
ILMENITE SAND—3,750 tons, Koilthottam
IRON ORE—22,300 tons, Bethlehem Steel Co, Cruz Grande
11,800 tons, Bethlehem Steel Co, Rio de Janeiro
MANGANESE ORE—1,500 tons, Manila
OIL, COCONUT—460 tons, Cebu
FUEL—69,153 bbls, Standard Oil Co N J, Caripito
PETROLEUM, CRUDE—99,526 bbls, Standard Oil Co N J, Las Piedras
91,212 bbls, Pan American Ref Corp, Las Piedras

Boston Imports

BONES—1,042 bgs, Swift & Co, Buenos Aires
QUEBRACHO EXTRACT—1,000 bgs, International Product Corp, Buenos Aires
3,150 bgs, International Product Corp, Buenos Aires
TANKAGE—1,000 bgs, Armour & Co, Montevideo
508 bgs, Buenos Aires
400 bgs, Armour & Co, Montevideo

Norfolk Imports

COCOA MEAL—2,499 bgs, Rio de Janeiro
2,834 bgs, Rio de Janeiro
ORE—1,250 tons, Chase National Bank, Rio de Janeiro

Philadelphia Imports

BONE GRIST—6,323 bgs, Philadelphia National Bank, Buenos Aires
1,849 bgs, Buenos Aires
BONEMEAL—1,120 bgs, Buenos Aires
3,005 bgs, Philadelphia National Bank, Buenos Aires
CHROME ORE—4,058 tons, Pastelillo
COCOA BEANS—5,900 bgs, Gold Coast
550 bgs, Samarang
CORKWOOD—2,525 bls, Armstrong Cork Co, Seville
772 bdls and 1,275 bls, Armstrong Cork Co, Seville
493 bls, Seville
CASEIN—7,686 bgs, Buenos Aires
595 bgs, Casein Co of America, Buenos Aires
FLAXSEED—1,470 bgs, Buenos Aires
3,480 bgs, Buenos Aires
2,161 bgs, Leval & Co, Buenos Aires
MACE—15 cs, Macassar
MANGANESE DIOXIDE ORE — 1,116,000 kilos, Philadelphia National Bank, Tjilatjap
ORE—750 tons, Durban
MOLASSES—1,095,296 gls, E I du Pont de Nemours & Co, La Romana
285,512 gls, E I du Pont de Nemours & Co, San Pedro de Macoris
1,783,775 gls, Publicker Alcohol Corp, Port Tarafa and Havana
NUTMEGS—211 bgs, Macassar
OIL, FUEL—80,000 bbls, Socony Vacuum Trans Co, Aruba
PAU SANTO BARK—150 bls, Crown Cork & Seal Co, Buenos Aires
PETROLEUM, CRUDE—138,000 bbls, Atlantic Refining Co, Cumarebo
113,000 bbls, Atlantic Refining Co, Caripito
92,000 bbls, Atlantic Refining Co, Las Piedras
97,980 bbls, Gulf Oil Corp, Puerto la Cruz
30,667 bbls, Gulf Oil Corp, Puerto la Cruz
76,000 bbls, Sinclair Navigation Co, Tuxpam
QUEBRACHO EXTRACT—12,295 bgs, The Tannin Corp, Buenos Aires
6,062 bgs, National Shawmut Bank of Boston, Buenos Aires
TANKAGE—1,106 bgs, Buenos Aires
TAPIOCA FLOUR—585 bgs, Guaranty Trust Co, Batavia
100 bgs, Guaranty Trust Co, Sourabaya
500 bgs, Philadelphia National Bank, Cheribon
500 bgs, Philadelphia National Bank, Tandjong-Priok

Exports from U. S. Ports

New Orleans Exports

ACID, STEARIC—10 tons, Havana
ASPHALT—113 tons, Belize
BARYTES—26 tons, Havana
CALCIUM PHOSPHATE—10 tons, Cristobal
FERTILIZER—24 tons, Cristobal
FIRECLAY—27 tons, Cristobal
8 tons, Panama City
GASOLINE — 90 tons, Cartagena; 83 tons, Belize
AVIATION—36 tons, Puerto Barrios
GREASE—2 tons, Ceiba
KEROSENE — 54 tons, Puerto Limon; 18 tons, Belize
LARD—11 tons, Belize; 76 tons, Havana; 44 tons, Puerto Limon; 17 tons, Cristobal; 22 tons, Panama City
LEATHER DRESSING—10 tons, Vera Cruz
LIME, HYDRATED—276 tons, Puerto Barrios; 50 tons, Ceiba
OIL, COCONUT—44 tons, Cristobal
DIESEL—85 tons, Ceiba; 71 tons, Puerto Cabezas
FUEL—205 tons, Ceiba
LUBRICATING — 13 tons, Cristobal; 10 tons, Ceiba
REFINED—24 tons, Puerto Limon
PARAFFIN — 140 tons, West Coast South America
ROSIN—48 tons, Cristobal; 14 tons, Barranquilla; 14 tons, Panama City; 123 tons, West Coast South America
GUM—28 tons, Cartagena
SALT—27 tons, Havana; 21 tons, Cristobal
SODA CAUSTIC—36 tons, Vera Cruz
SOYBEAN MEAL—45 tons, Havana
SYRUP, FLAVORING—11 tons, Cristobal
TALLOW—56 tons, Belize
TURPENTINE—30 tons, Havana; 10 tons, West Coast South America
WAX—140 tons, Vera Cruz
WOOD PRESSERVER—10 tons, Havana

Philadelphia Exports

OIL, LUBRICATING—50 bbls, 200 dms and 1,524 cs, Sourabaya; 20 cs, Menado; 147 bbls, Seville; 204 bbls, Barcelona; 105 bbls, Valencia

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations includes the following:—

Drugs:—The importation from non-Empire areas of drugs, medicines, chemicals and dyes has been made subject to license in Hong Kong.

Margarin:—The Finnish excise taxes on imported margarin have been removed. Regulations which have previously prohibited the use of all preservatives in margarin have been revised in Hong Kong to permit the use of benzoic acid, or sodium benzoate, to the extent of 0.15 percent by weight.

Metals:—The exportation from the Belgian Congo and Ruanda-Urundi of metals, in crude or in finished form, and metal waste, has been made subject to permit from the governor of the province concerned.

Parcel-Post:—Service from the United States to Algeria and Anderra has been suspended.

Wheat Flour:—The Paraguayan import duty on wheat flour has been increased from 3.33 gold pesos to 3.95 gold pesos per 100 gross kilograms. In addition to the import duty there is also a surtax of 7 percent of the f.o.b. value, port of export.

Sulphur:—Importation into Switzerland has been made subject to permit from the Swiss Chemical Syndicate.

Waxes:—Importation into Switzerland of spermacetti and animal waxes, excepting beeswax, has been made subject to permit from the Swiss Chemical Syndicate.

Toilet Preparations:—These have been made dutiable in Hong Kong as of April 10, 1941. This term includes toilet soap, shaving soap and cream, toothpaste or powder and liquid preparations for dental purposes or mouth washes, perfumed spirits, toilet paste or powder.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—51,800 bbls, Seattle; 73,940 bbls, Richmond; 30,273 bbls, Seattle; 12,720 bbls, Seattle; 3,657 bbls, Seattle; 8,927 bbls, Stockton; 28,221 bbls, Stockton; 367 bbls, San Diego; 1,825 bbls, San Diego; 3,847 bbls, San Diego; 100,088 bbls, Portland; 67,862 bbls, Portland; 32,700 bbls, Seattle; 35,015 bbls, Seattle; 3,097 bbls, San Diego; 4,000 bbls, San Diego; 1,800 bbls, San Diego; 43,268 bbls, Seattle
OIL, DIESEL — 24,000 bbls, Seattle; 1,292 bbls, Portland; 9,001 bbls, Seattle; 1,427 bbls, San Diego; 1,785 bbls, San Diego; 5,416 bbls, Portland; 3,973 bbls, Seattle; 1,400 bbls, San Diego; 8,025 bbls, Seattle
FUEL—62,672 bbls, Portland; 63,528 bbls, Willbridge; 101,406 bbls, Richmond; 66,082 bbls, Davenport; 8,404 bbls, Portland; 35,132 bbls, Seattle
FURNACE—1,922 bbls, Seattle; 1,811 bbls, Portland; 8,030 bbls, Seattle

Chemical Imports At N.Y. Analyzed

—Continued from page 3

talis glucosides; ergotamine tartrate, not specially provided for; ammonium compounds, not elsewhere specified; barium compounds, not elsewhere specified; magnesium salts and compounds, not specially provided for; all potash salts, not specially provided for; sodium compounds, not specially provided for; and chemical elements, compounds, mixtures, and salts, not specially provided for, not containing alcohol.

The total value of all imports under the classifications described above, in 1940 was $1,200,587, of which $1,026,428 was entered through the port of New York. The value of the imports analyzed was $604,455, or 59 percent of the imports in these classes through the New York customs district. The imports tabulated consist only of those items of the imports analyzed which were each valued at $1,000 or more.

The total value of the items tabulated amounted to $543,651, or 90 percent of the total entries analyzed. Switzerland was the principal source of the imports, supplying more than $500,000 in value of the total imports under these classifications, valued at $1,200,587. The United Kingdom was the second largest source, Germany the third, and France the fourth. The compilation follows:—

(Products valued over $1,000)

Commodity.	Quantity. Pounds.	Value.	Countries of origin.*
Anhydro-oxyprogesterone	....	$3,987	S.
Atropine sulfate	219	8,359	S., Fr.
Barium chlorate	11,200	1,071	Fr.
Belladonna extract	1,000	3,766	U.K.
Carbaethoxy-17-oestradiol	....	3,088	H.
Carbromal powder	1,100	3,628	S.
Cholic acid	304	1,237	S., Fr.
Curare	15	1,665	Ve.
Dehydrocholic acid	1,213	12,948	S.
Desoxycorticosterone	....	19,672	S.
Diacetone gulesonic acid	1,323	4,725	S.
Digitalis glucosides	....	10,422	S., Fr.
Dispersine B	2,205	1,488	S.
Dispersing agent B. A	6,614	3,931	S.
Emetine hydrochloride	7	1,260	Fr.
Ergobasin tartrate	....	5,440	S.
Eserine	5	1,557	S., Fr.
Estrogenic substance	....	14,500	S.
Eucalyptol	8,000	4,256	J.
Faral	23,399	7,365	N.
Gonadotropes of urine hormone	....	3,648	Fr.
Gynergen (ergotamine tartrate)	....	59,882	S.
Kasenit No. 1	12,000	3,429	U.K.
Ketohydroxoestrin	....	3,035	B.
Lipiodol	....	4,928	Fr.
Magnesia San Pellegrino	....	14,000	I., Fr.
Magnesium hydrate	8,000	1,159	U.K.
Magnesium trisilicate	104,500	28,029	U.K.
Medicinal inhalant	....	8,348	U.K.
2-Methyl-4-amino-5-thioformyl-aminoethyl pyrimidin	506	101,013	S.
Methyl testosterone	....	17,257	S.
Nicotinic acid diethylamide	66	1,197	H.
Nucleinic acid	300	2,676	U.K.
Oestradiol	....	24,862	S.
Oestradiol benzoate	....	5,681	S., B.
Oestradiol dipropionate	....	14,916	S.
Phytol	12	3,026	S.
Pilocarpine hydrochloride	70	1,870	S., Fr.
Piperazine hydrate	220	1,734	S.
Potassium metabisulfite	76,458	8,526	U.K., Fr., I., B.
Potassium oxalate	11,020	1,784	B.
Potassium persulfate	13,240	1,471	N.
Potassium sulfocyanide	16,386	6,708	U.K.
Progesterone crystals	....	6,105	H.
Protein derived from mare serum	164	8,928	Ar., Br.
Ratin	4,008	2,489	D.,U.K.
Reducine	....	2,388	U.K., Ir.
Sandofix K	5,071	2,188	S.
Sandoptal Puriss.	44	1,428	S.
Sodium cacodylate	719	2,083	Fr.
Stabilizer A. P.	6,834	1,387	S.
Sufix	5,117	1,371	N.
Sulfichton	13,669	4,374	U.S.S.R.
Testosterone propionate	....	60,295	S., Sw., B.
Thallium sulfate	1,000	4,573	G.
Thiourea	21,756	8,800	U.K.
Yohimbine hydrochloride	136	3,149	S., Fr.

* Country of original shipment symbolized as follows:—Ar., Argentina; B., Belgium; Br., Brazil; Fr., France; G., Germany; H., Hungary; I., Italy; Ir., Irish Free State; N., Netherlands; S., Switzerland; Sw., J, Japan; N., Netherlands; S., Switzerland; Sw., Sweden; U.K., United Kingdom; Ve., Venezuela.

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended June 18

Cod oil, 50 casks; restricted use.
Coriander seed, 325 bags; filthy.
Fennel seed, 100 bags; filthy.
Glue stock, 702 bags; restricted use.
Licorice root, 250 bags; not U.S.P.
Liver extract, 1 parcel; not U.S.P.
Medicinal preparation, 1 parcel; dangerous drug; false therapeutic claims.
Medicinal preparation, 1 parcel; dangerous drug; not properly labeled.
Nutmegs, 383 bags; restricted use.
Pollack liver oil, 150 drums; restricted use.
Saffron, 1 case; not N.F.
Sage leaves, 84 bales; excess stems.

Boston

Week Ended June 18

Cod oil, 11,853 gallons; restricted use.
Medicinal preparation, 1 parcel; false therapeutic claims.

Honolulu

Week Ended June 12

Medicinals, 300 pieces; false therapeutic claims; omission of mandatory labeling.
Medicinals, 73 pieces; false therapeutic claims.

Los Angeles

Week Ended June 12

Medicinals, 520 pieces; false therapeutic claims.

Seattle

Week Ended June 12

Medicinals, 74 pieces; acetanilid incorrectly stated.

Bauxite Output Set High Record in 1940

Bauxite domestic consumption in 1940 totaled 958,695 long tons, 22 percent more than the 782,975 tons consumed in the previous peak year of 1939, according to the Bureau of Mines.

Domestic mine shipments totaled 438,913 long tons, an increase of 17 percent over 1939. Of the domestic ore shipped from mine producers' and processors' plants, 449,198 tons, the aluminum industry took 48 percent, abrasive 29 percent, chemical 18 percent, and oil refining, refractory, steel and other industries 5 percent.

Export Managers Elect J.T. Wilson President

J. T. Wilson, chief of the foreign department of the International Business Machines Corporation, was elected president of the Export Managers Club at the annual meeting. Other officers elected were:—

First vice-president, H. P. Martin, of the Acheson Graphite Company; second vice-president, C. S. Snider, of the American Hard Rubber Company; treasurer, E. P. Engelke, of the Royal Petroleum Company; secretary, Oren O. Gallup.

Directors elected were:—G. E. Churchill, of the Caterpillar Tractor Company; H. A. Clark, of E. I. duPont de Nemours & Co.; W. A. Coogan, of the Hygrade Sylvania Corporation; L. G. Coveney, of the York Ice Machinery Company, and R. M. Dunning, of the Vick Chemical Company.

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Agents Wanted

AGENTS familiar with sale of modern industrial paints, enamels, and fine quality electrical insulation varnishes sought by newly established company. BOX 258, Oil, Paint and Drug Reporter.

Equipment Offered

FILTER BAGS—We make up all sizes, types and materials of filter bags or small canvas articles for the paint and chemical trades. Large production and quick delivery. Send us your samples for quotation. BOX 138, Oil, Paint and Drug Reporter.

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE: Three 12 in. by 32 in. Day 5 roller mills, motor driven; pony mixers, 8 to 40 gals.; three Kent 8 in. lab., and five Ross 26 in. stone mills with iron mill feeds; pebble mills, lab. to 700 gals.; Day jumbo 700 gal. jacketed mixer; thirty filter presses, 12 in. to 36 in.; powder mixers, 100 to 2,000 lbs.; W. & P. mixers, lab. to 200 gals.; copper and aluminum kettles, 10 to 250 gals; dryers, Sweetland filters, etc. Send for complete bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

FOR SALE:—One Stokes water still, practically new, 25 gals. per hour; uses 20 pounds steam for heating with two 500-gal. tin lined copper distilled water receivers with angle iron stands. BOX 253, Oil, Paint and Drug Reporter.

FOR PROMPT delivery:—Shriver 18 in. and Sperry 12 in. closed delivery filter presses; Patterson 22 in. by 32 in. porcelain lined pebble mill; Devine laboratory vacuum shelf dryer; Sharples No. 6 super centrifuges, monel and stainless steel bowls. Send us your inquiries. What have you for sale? Machinery & Equipment Corp., 59 E. 4th street, New York City.

Equipment Offered

JAR and pebble mills, new and used. New 1 gal.-4 gal. jar mills; used 36x42 silex lined pebble mill; 50 gal. dough mixer; 6 ft. Hardinge pebble mill. Lawler Company, Metuchen, N. J.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 224, Oil, Paint and Drug Reporter.

WANTED:—Three roller mills, J. H. Day or similar make. State location, condition and price. BOX 255, Oil, Paint and Drug Reporter.

Factories Offered

FOR SALE to settle estate. Paint factory with machinery. Brick wall construction, sprinkler system, elevators. In industrial section of Brooklyn, N. Y. Approximately 57,000 sq. ft. suitable for other purposes. Communicate with Charles J. Seidler, Attorney, 50 East 42nd street, New York City MUrray Hill 2-4669.

BRICK FACTORY—One-story, 58x200, extra high ceiling, railroad siding, yard. Heavy industrial zone in Newark, N. J. Low rent. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Materials Offered

LIGHT BLOOD albumen flakes for sale. Several thousand pounds No. 2 grade; will sell part or all of lot. Write for samples. L. B. Miller, 529 South Franklin street, Chicago, Ill.

FOR SALE:—2,000 pounds magnesium zinc fluosilicate; 1,000 pounds molybdic acid (reagent); 10 tons lead peroxide; 1,200 pounds iron carbonyl; 2,000 pounds titanium trichloride; 100 pounds cyanate sodium or potassium; 2 kilos indium metal; vanadium metal, pure. BOX 259, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

Positions Vacant

CHEMIST, production manager with experience in manufacture of cotton and rayon warp sizings, finishing softeners, and other textile specialties. Southern plant. State in detail qualifications, experience, salary, etc. All applications confidential. BOX 251, Oil, Paint and Drug Reporter.

PRODUCTION MAN wanted; must be experienced roller mill operator, preferably with some chemical training. BOX 254, Oil, Paint and Drug Reporter.

VARNISH MAKER wanted. State age and experience. BOX 256, Oil, Paint and Drug Reporter.

PAINT RESEARCH chemist wanted, preferably one experienced in formulation of water paints, both paste and powder. An excellent opportunity for successful applicant. In reply, state age, qualifications and experience. BOX 257, Oil, Paint and Drug Reporter.

Positions Wanted

COLLEGE GRADUATE, 20 years' experience as salesman and salesmanager in solvents, industrial and pharmaceutical chemicals. Available July 1. BOX 243, Oil, Paint and Drug Reporter.

PHARMACEUTICAL CHEMIST — Manufacturing experience in ampuls, ointments, liquids and tablets, also control, development and research. Supervisory production position desired. Christian, young, draft deferred. BOX 245, Oil, Paint and Drug Reporter.

Positions Wanted

GRADUATE CHEMICAL engineer, 29 years old. Five years' experience developing pigments and synthetic varnishes. Alkyds and metallic pigments a specialty. Prefer eastern location. Working at present but desire better prospect. BOX 252, Oil, Paint and Drug Reporter.

CHEMIST—B.S. in chemistry, two years' experience in organic analysis including pharmaceuticals. Residing in metropolitan area. BOX 260, Oil, Paint and Drug Reporter.

POSITION WANTED by man with chemical background and 15 years' broad technical sales experience. Will consider any position in keeping with qualifications. Willing to travel. Location, New York. BOX 261, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

LEARN SPANISH and receive information from Colombia. Only $2 U. S. money order. Harvey Berman, Apartado No. 1427, Bogota, Colombia, S. A.

Surplus Stock

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

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Junior Chemical Engineers Elect White President

Junior Chemical Engineers of New York City, an organization founded in 1937, elected the following officers for 1941-42:—President, Francis B. White, of the Foster-Wheeler Corporation; vice-president, Howard T. Broock; secretary-treasurer, J. B. Callahan, of Chemical & Metallurgical Engineering; assistant secretary-treasurer, Herbert Quinn, of the American Agricultural Chemical Company.

Steel Barrel Output Up

Heavy type steel barrel production in April amounted to 1,463,222 as against 1,072,308 in March and 951,480 in April a year ago. Shipments in April totaled 1,473,734, against 1,076,523 in March and 949,054 in April last year. Stocks at the end of the month totaled 36,872.

Production of light types totaled 355,068 in April, against 244,624 in March and 261,046 in April last year. Shipments in April totaled 356,764, against 265,105 in March and 261,894 in April last year. Stocks on hand at the end of the month amounted to 33,490.

Protinol Products Offers New Synthetic Detergent

Protinol Products, Inc., of 122 East Forty-second street, New York, are marketing 'Protinol,' a surface active agent of protein structure with a close chemical similarity to skin and hair. 'Protinol' is said to represent a new technical advance in the field of synthetic detergents in that it is said to be on a different chemical basis and contains no sulphonated bodies or free fatty acids. The technical grade is said to find application in the textile industry and the field of general maintenance where protective action and thorough detergency is desired.

Gasoline rationing in Australia now limits motorists to about 1,000 miles of pleasure driving per year.

Bradford Oil Refining Company, Foster Brook, Pa., properties will be sold at public auction July 19.

Acetic Freights Revised

The New York Public Service Commission has approved new commodity freight rates on acetic acid, or acetic anhydride, in tankcars, minimum weight subject to rule 35 of Official Classification, from Niagara Falls on Erie, and Niagara Falls and Suspension Bridge on Lehigh Valley, to Glens Falls on Delaware & Hudson, 30c. per hundredweight. On the New York Central, on the same commodities, same weight classifications, from stations East Buffalo and Suspension Bridge, inclusive, to Glens Falls on Delaware & Hudson, 33c. per hundredweight. Reductions from class rates. Effective July 1, 1941.

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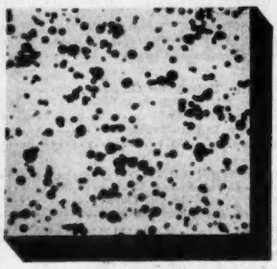
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